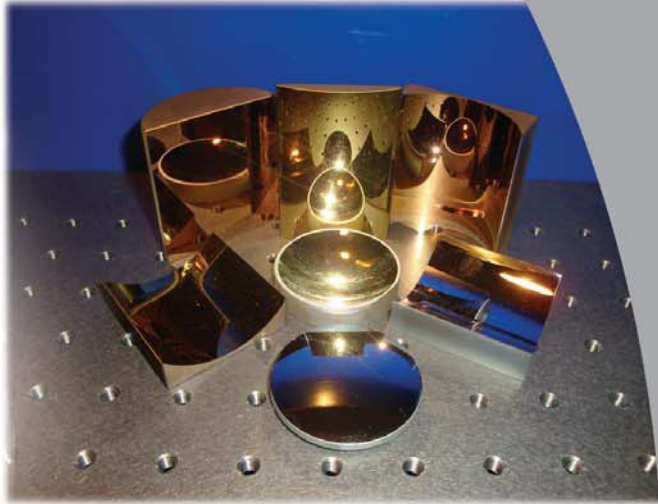


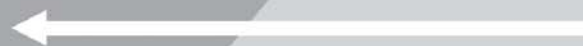


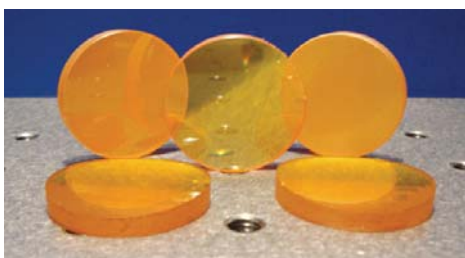
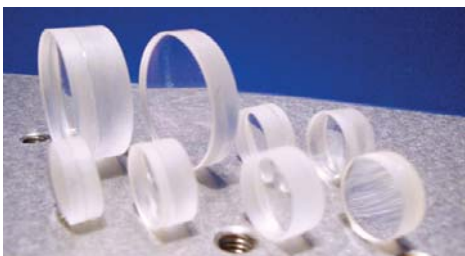
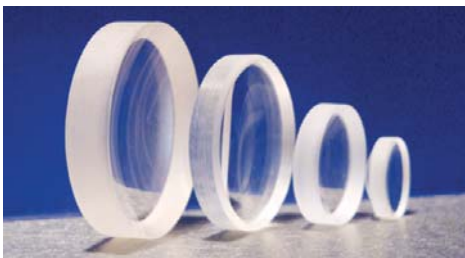
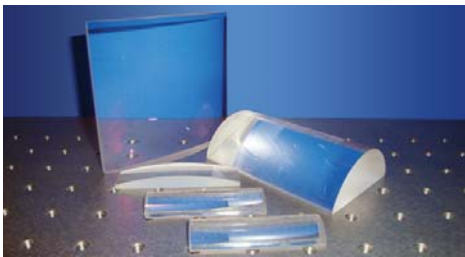
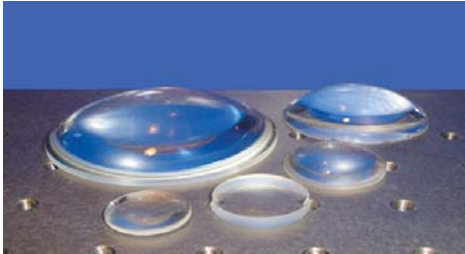
GoldDragonOptics



长春市金龙光电科技有限责任公司,

GoldDragon Optics Electronic Technology CO., Ltd





公司简介

长春市金龙光电科技有限责任公司是专业的精密光学元件及光学镜头制造商。公司座落于新中国光学基地——长春。公司2000年成立以来积极进取、勇于创新，已发展成为集设计、生产、销售于一体的现代化光学企业。

金龙光电在成立和发展过程中得到了省、市各级领导的大力关怀和支持，并先后亲临公司视察指导。公司于2005年被长春市委、市政府授予“技术创新先进民营企业”及吉林省“千户成长型企业”的称号。

金龙光电拥有国内一流的光、机、电设计团队和优秀的一线生产队伍。采用国内外先进的光学冷加工设备、镀膜设备、机械加工设备和高精度检测设备为国内外客户加工生产各种光学产品。

金龙光电主要产品有球面透镜、柱面透镜、光学窗口、反射镜、棱镜和滤光片等各种高精密光学元件。基底材料包括各种光学玻璃、紫外熔石英(JGS1)、红外熔石英(JGS3)以及氟化钙(CaF₂)、氟化镁(MgF₂)、氟化钡(BaF₂)、硒化锌(ZnSe)、锗(Ge)、硅(Si)等晶体材料。公司拥有柱面透镜生产设备100余台，现已成为东北地区最大的柱面透镜生产基地。

金龙光电产品主要销往北美、欧洲、亚太等地区。产品主要应用于光电仪器、医疗仪器、金融机具、教学仪器及半导体、激光、光通信等领域。主要为国内外高等院校、科研机构和高科技公司提供优质服务。金龙光电参与了多项军工项目的研制和开发，为祖国国防现代化事业做出了应有的贡献。

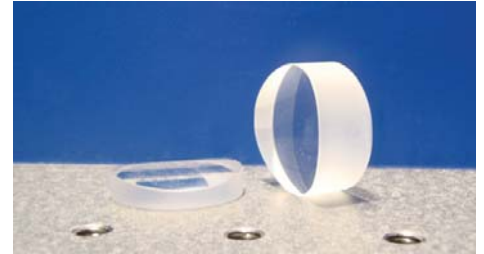
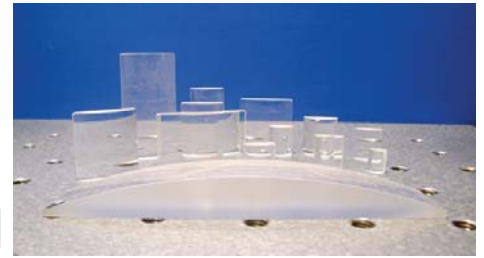
金龙光电通过了ISO9001国际质量体系认证。产品性能、精度等指标已达到国际先进水平；产品种类丰富，备有大量的现货库存；也可以按客户需求设计和制作产品。

金龙光电以“创新精神、科学态度、团队意识、诚实守信”为理念，愿与国内外各高等院校、科研机构及各界同行进行广泛的交流与合作。我们以“一流的产品，一流的质量，最快的速度”，赢得了海内外客户的信赖。

Introduction

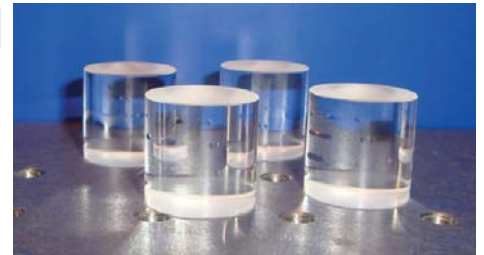
GOLDDRAGONOPTICS CO.,LTD.

Specializes in the manufacture of optical products and crystals for the commercial and research marketplace including laser, semiconductor and telecommunication applications. We are located in Changchun, Jilin, Optics base of China. Our indepth knowledge and experience with optical components as excellent service enable us to provide the best possible support for those companies developing applications in these areas.



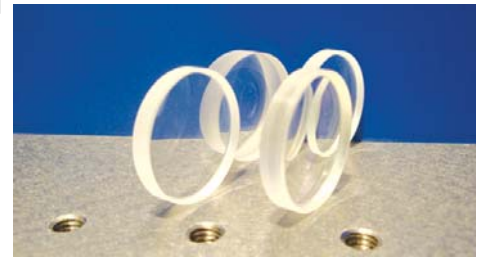
EXPERIENCE

Our executives and technical staff have 10 years experiences in distributing high quality optics for industrial applications and research laboratories around the world. We provide the highest quality products as well as indepth technical support.



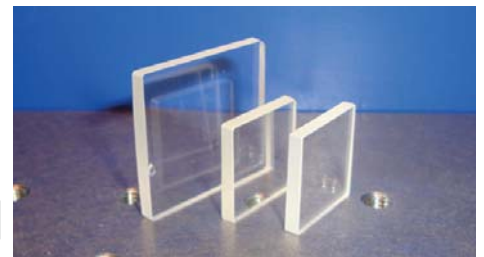
KNOWLEDGE

Our senior scientist has 20 years R&D experiences in laser optics. All products are processed with strict quality control guidelines and are guaranteed to be of the highest quality.



SERVICE

We have always put the customer first in our business and strive to help our customers develop successful applications. We firmly believe that our success depends on our customer's success and to this end our experienced and knowledgeable staff will always provide complete pre-sales and post-sales support.



CAPABILITIES

Manufacturing of production volume of conventional optics, laser crystals at a competitive price.

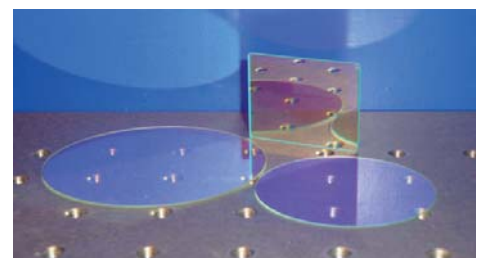
- Cylindrical lenses(Singlet, Achromatic)
- Spherical lenses(Singlet, Achromatic Doublets)
- Windows(VIS Windows, UV Windows, IR Windows)
- Prisms(Right Angle Prisms, Dove Prisms, Wedges, etc)
- Mirrors(Metallic Mirrors, Dielectric Mirrors)



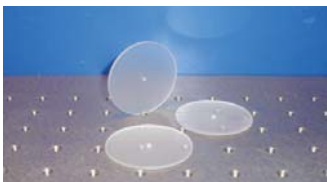
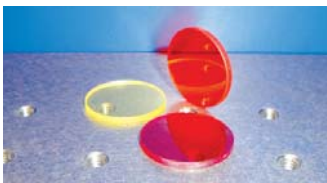
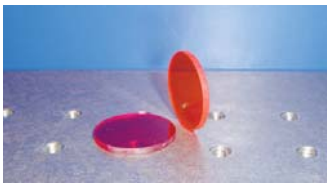
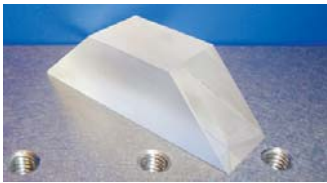
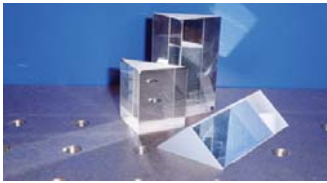
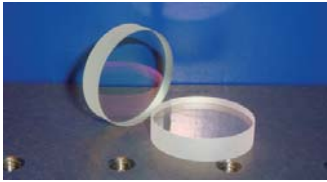
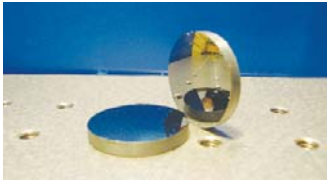
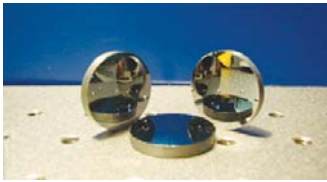
Material:Optical glass,UV-grade fused silica,CaF₂,MgF₂, Ge, Si, ZnSe,Sapphire.

Simple and complex optics or optical assemblies for prototype and volume production.

- Coating capability for optical components.
- Custom design



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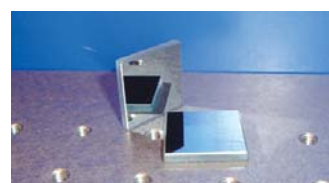
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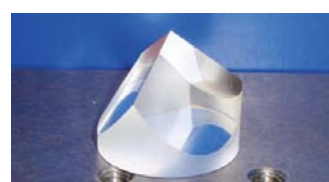
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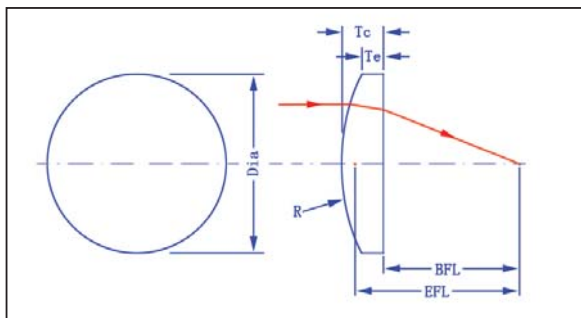
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特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
设计波长	Design Wavelength	632.8nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm

技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
11A1116R	10.00	6.00	5.15	8.35	2.50	1.50
11A1470R	12.00	6.00	6.18	10.48	2.30	1.50
11A1222R	15.00	6.00	7.73	13.61	2.10	1.50
11A1700R	30.00	6.00	15.45	28.81	1.80	1.50
11A1576R	12.00	9.00	6.18	9.76	3.40	1.50
11A1472R	20.00	9.00	10.30	18.35	2.50	1.50
11A1540R	15.00	12.70	7.73	11.63	5.10	1.80
11A1074R	20.00	12.70	10.30	17.36	4.00	1.80
11A1560R	25.00	12.70	12.88	22.69	3.50	1.80
11A1289R	30.00	12.70	15.45	27.89	3.20	1.80
11A1304R	40.00	12.70	20.60	38.15	2.80	1.80
11A1213R	50.00	12.70	25.75	48.28	2.60	1.80
11A1207R	100.00	12.70	51.51	98.55	2.20	1.80
11A1859R	20.00	18.00	10.30	15.31	7.10	1.80
11A1270R	25.00	18.00	12.88	21.37	5.50	1.80
11A1085R	30.00	18.00	15.45	26.90	4.70	1.80
11A1119R	50.00	18.00	25.75	47.76	3.40	1.80
N 11A1252R	25.40	25.00	13.08	17.68	11.70	2.50
N 11A1255R	50.00	25.00	25.75	46.50	5.30	2.07
N 11A1257R	75.00	25.00	38.63	72.29	4.10	2.02
N 11A1251R	100.00	25.00	51.51	97.62	3.60	2.06
N 11A1253R	200.00	25.00	103.02	198.15	2.80	2.04
11A1951R	25.40	25.40	13.08	17.68	11.70	1.80
11A1805R	30.00	25.40	15.45	24.32	8.60	2.00
11A1027R	35.00	25.40	18.03	30.25	7.20	2.00
11A1422R	40.00	25.40	20.60	35.78	6.40	2.00
11A1131R	50.00	25.40	25.75	46.50	5.30	2.00
11A1134R	60.00	25.40	30.91	56.90	4.70	2.00
11A1608R	75.00	25.40	38.63	72.29	4.10	2.00
11A1509R	100.00	25.40	51.51	97.62	3.60	2.00
11A1986R	125.00	25.40	64.39	122.82	3.30	2.00
11A1433R	150.00	25.40	77.26	147.95	3.10	2.00
11A1229R	175.00	25.40	90.14	173.09	2.90	2.00
11A1708R	200.00	25.40	103.02	198.15	2.80	2.00
11A1461R	250.00	25.40	128.77	248.28	2.60	2.00

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter

编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
11A1484R	300.00	25.40	154.53	298.35	2.50	2.00
11A1172R	400.00	25.40	206.04	398.42	2.40	2.00
11A1908R	500.00	25.40	257.55	498.48	2.30	2.00
11A1978R	750.00	25.40	386.32	748.55	2.20	2.00
11A1464R	1000.00	25.40	515.09	998.55	2.20	2.00
11A1274R	40.00	30.00	20.60	34.06	9.00	2.50
11A1102R	50.00	30.00	25.75	45.18	7.30	2.50
11A1765R	75.00	30.00	38.63	71.37	5.50	2.50
11A1031R	100.0	30.00	51.51	96.90	4.70	2.50
11A1911R	120.00	30.00	61.81	117.16	4.30	2.50
N 11A1907R	150.00	30.00	77.26	147.95	3.10	1.60
N 11A1541R	200.00	30.00	103.02	198.15	2.80	1.70
N 11A1832R	250.00	30.00	128.77	248.28	2.60	1.70
N 11A1419R	300.00	30.00	154.53	298.35	2.50	1.80
N 11A1237R	500.00	30.00	257.55	498.48	2.30	1.80
11A1401R	60.00	50.80	30.91	49.24	16.30	3.00
11A1145R	75.00	50.80	38.63	66.75	12.50	3.00
11A1050R	100.00	50.80	51.51	93.60	9.70	3.00
11A1384R	125.00	50.80	64.39	119.59	8.20	3.00
11A1417R	150.00	50.80	77.26	145.18	7.30	3.00
11A1399R	175.00	50.80	90.14	170.58	6.70	3.00
11A1979R	200.00	50.80	103.02	195.91	6.20	3.00
11A1301R	250.00	50.80	128.77	246.37	5.50	3.00
11A1256R	300.00	50.80	154.53	296.63	5.10	3.00
11A1725R	400.00	50.80	206.04	396.96	4.60	3.00
11A1380R	500.00	50.80	257.55	497.16	4.30	3.00
11A1727R	750.00	50.80	386.32	747.49	3.80	3.00
11A1779R	1000.00	50.80	515.09	997.62	3.60	3.00
11A1740R	85.00	75.00	43.78	69.03	24.20	3.00
11A1238R	100.00	75.00	51.51	87.33	19.20	3.00
11A1002R	150.00	75.00	77.26	141.62	12.70	3.00
11A1353R	200.00	75.00	103.02	193.33	10.10	3.00

Spherical Lens

Cylindrical Lens

Prisms

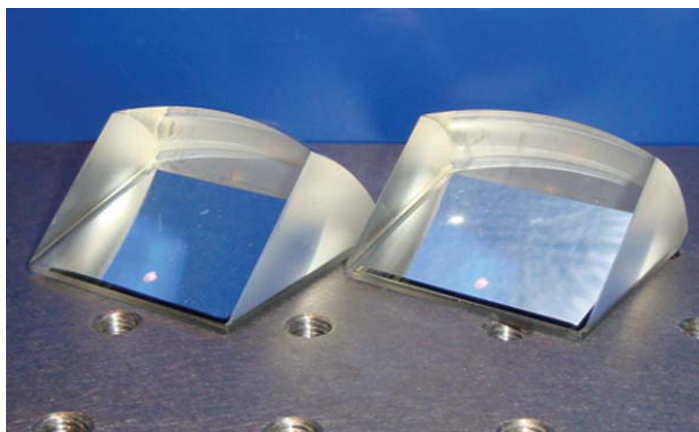
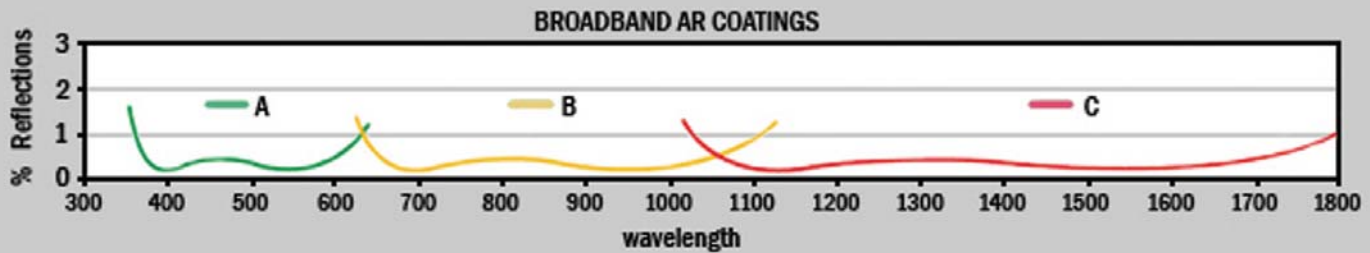
Windows

Mirrors

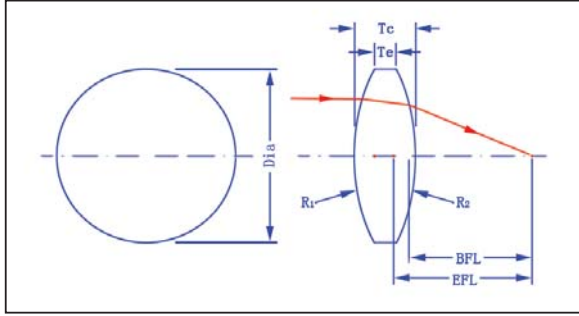
Coating

Filter

A - Coating: 350 -- 650nm B - Coating: 650--1050nm C - Coating: 1050 -- 1580nm



球面透镜组 详见13页 柱面透镜组 详见21页 光学棱镜组 详见26页 吸收式长通滤光片组 详见56页



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
设计波长	Design Wavelength	632.8nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm

技术参数 TECHSPEC						
编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R1=R2(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
11B1157R	10.00	6.00	9.88	9.17	2.40	1.50
11B1406R	12.00	6.00	11.96	11.22	2.30	1.50
11B1987R	15.00	6.00	15.09	14.29	2.10	1.50
11B1198R	30.00	6.00	30.60	29.40	1.80	1.50
11B1494R	12.00	9.00	11.72	10.75	3.60	1.80
11B1212R	20.00	9.00	20.12	19.05	2.80	1.80
11B1092R	15.00	12.70	14.61	13.36	4.70	1.80
11B1450R	20.00	12.70	19.92	18.67	3.90	1.80
11B1014R	25.00	12.70	25.16	23.85	3.40	1.80
11B1258R	30.00	12.70	30.37	28.96	3.10	1.80
11B1378R	40.00	12.70	40.73	39.07	2.80	1.80
11B1844R	50.00	12.70	51.06	49.13	2.60	1.80
11B1187R	100.00	12.70	102.64	99.27	2.20	1.80
N 11B1761R	25.40	25.40	24.53	22.23	9.00	1.90
11B1757R	30.00	25.40	29.54	27.34	7.70	2.00
11B1811R	35.00	25.40	34.86	32.68	6.80	2.20
11B1027R	40.00	25.40	40.14	37.93	6.10	2.00
11B1471R	50.00	25.40	50.61	48.25	5.20	2.00
11B1596R	60.00	25.40	61.00	58.43	4.70	2.00
11B1901R	75.00	25.40	76.56	73.63	4.10	2.00
11B1676R	100.00	25.40	102.40	98.81	3.60	2.00
11B1904R	125.00	25.40	128.21	123.91	3.30	2.00
11B1437R	150.00	25.40	154.00	148.97	3.10	2.00
11B1294R	175.00	25.40	179.79	174.04	2.90	2.00
11B1945R	200.00	25.40	205.56	199.07	2.80	2.00
11B1056R	250.00	25.40	257.10	249.14	2.60	2.00
11B1779R	300.00	25.40	308.63	299.17	2.50	2.00
11B1391R	400.00	25.40	411.66	399.21	2.40	2.00
11B1869R	500.00	25.40	514.70	499.24	2.30	2.00
11B1475R	750.00	25.40	772.26	749.27	2.20	2.00
11B1409R	1000.00	25.40	1029.81	999.27	2.20	2.00
11B1723R	60.00	50.80	59.26	55.04	14.40	3.00
11B1309R	75.00	50.80	75.20	71.00	11.80	3.00
11B1630R	100.00	50.80	101.38	96.81	9.50	3.00
11B1106R	125.00	50.80	127.38	122.30	8.10	3.00

Spherical Lens

Cylindrical Lens

Prisms

Windows

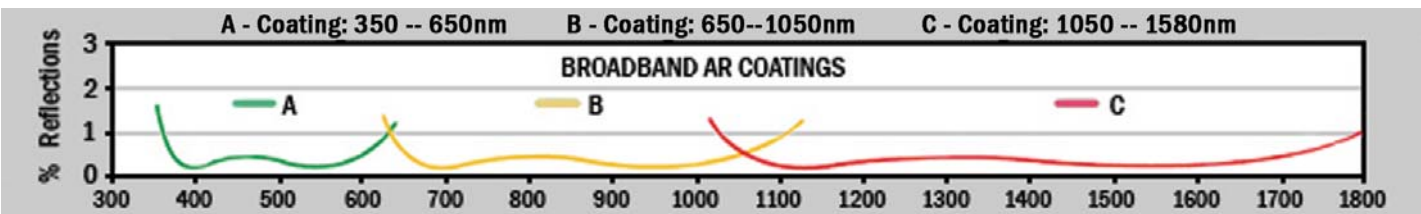
Mirrors

Coating

Filter

技术参数 TECHSPEC

编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
11B1374R	150.00	50.80	153.29	147.60	7.20	3.00
11B1607R	175.00	50.80	179.15	172.81	6.60	3.00
11B1199R	200.00	50.80	204.98	197.94	6.20	3.00
11B1889R	250.00	50.80	256.61	248.18	5.50	3.00
11B1917R	300.00	50.80	308.29	298.31	5.10	3.00
11B1862R	400.00	50.80	411.29	398.48	4.60	3.00
11B1909R	500.00	50.80	514.36	498.58	4.30	3.00
11B1274R	750.00	50.80	771.99	748.75	3.80	3.00
11B1859R	1000.00	50.80	1029.57	998.81	3.60	3.00



Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

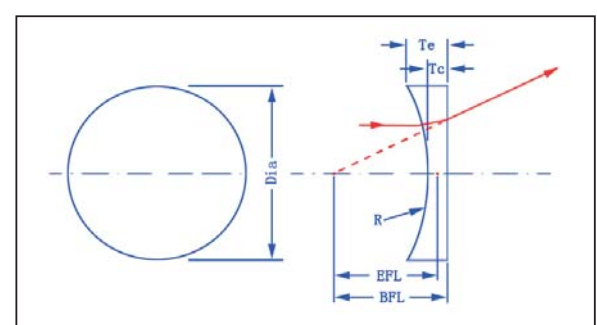
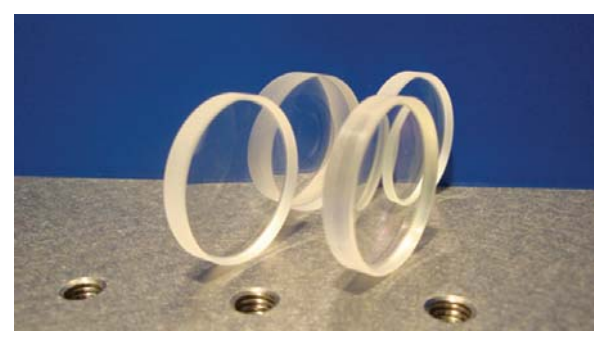
Coating

Filter

H-K9L平凹球面透镜 BK7 Plano-Concave Lenses

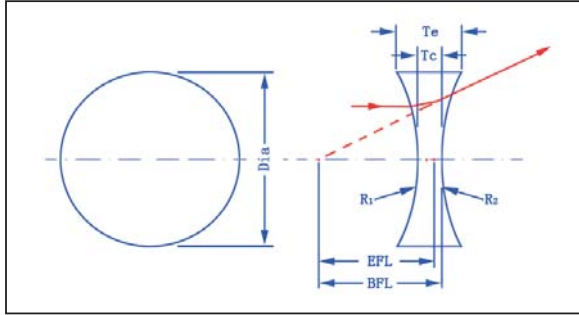
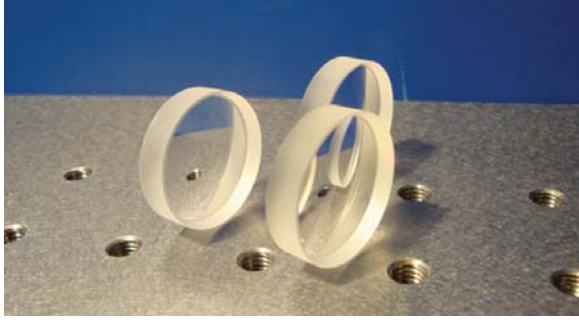


特性 Specification		
材料	Material	H-K9L (Schott BK7)
设计波长	Design Wavelength	632.8nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光洁度	Surface Quality	40-20
偏心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒边	Bevelling	<0.2×45°
镀膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm



技术参数 TECHSPEC

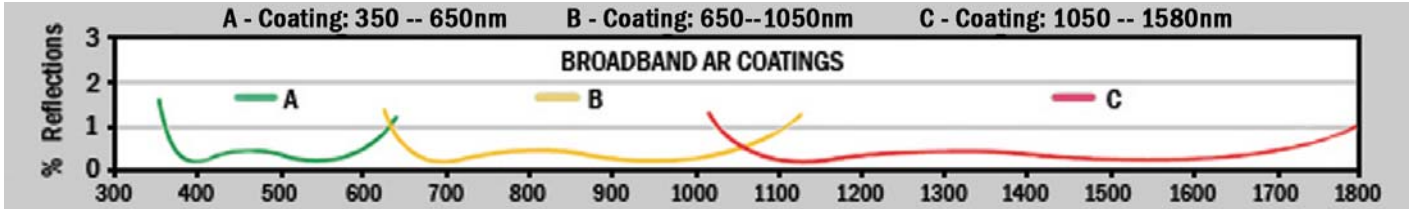
编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
11C1035R	-18.00	6.00	-9.27	-19.32	2.00	2.50
11C1975R	-24.00	6.00	-12.36	-25.32	2.00	2.40
11C1906R	-27.00	9.00	-13.91	-28.32	2.00	2.70
11C1054R	-25.00	12.70	-12.88	-26.98	3.00	4.70
11C1060R	-30.00	12.70	-15.45	-31.98	3.00	4.40
11C1439R	-50.00	12.70	-25.75	-52.31	3.50	4.30
N 11C1259R	-50.00	25.00	-25.75	-52.31	3.50	6.70
N 11C1258R	-75.00	25.00	-38.63	-77.31	3.50	5.60
N 11C1254R	-100.00	25.00	-51.51	-102.64	4.00	5.50
11C1715R	-50.00	25.40	-25.75	-52.31	3.50	6.90
11C1582R	-75.00	25.40	-38.63	-77.31	3.50	5.60
11C1120R	-100.00	25.40	-51.51	-102.64	4.00	5.60
11C1315R	-75.00	50.80	-38.63	-77.31	3.50	13.00
11C1093R	-100.00	50.80	-51.51	-102.64	4.00	10.70
11C1611R	-150.00	50.80	-77.26	-152.64	4.00	8.30



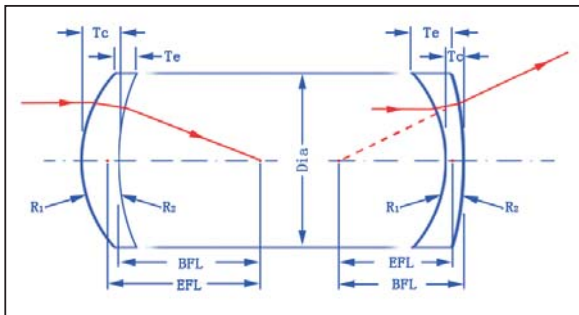
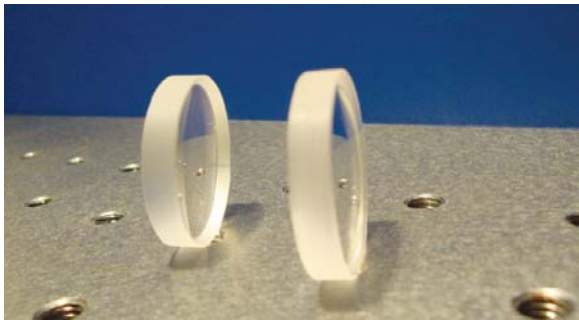
特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
设计波长	Design Wavelength	632.8nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm

技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R1=R2(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
11D1569R	-25.00	12.70	-26.17	-25.81	2.50	4.10
11D1903R	-30.00	12.70	-31.41	-30.97	3.00	4.30
11D1357R	-50.00	12.70	-52.10	-51.15	3.50	4.30
11D1464R	-50.00	25.40	-52.01	-50.98	3.00	6.10
11D1170R	-75.00	25.40	-77.86	-76.15	3.50	5.60
11D1613R	-100.00	25.40	-103.69	-101.31	4.00	5.60



H-K9L弯月球面透镜 BK7 Meniscus Lenses



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
设计波长	Design Wavelength	632.8nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter

H-K9L正弯月球面透镜 BK7 Positive Meniscus Lenses					技术参数 TECHSPEC		
编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径		后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
			R1(mm)	R2(mm)			
11E1234R	100.00	25.40	32.14	82.20	96.19	3.60	2.00
11E1156R	125.00	25.40	40.60	106.86	121.55	3.30	2.00
11E1104R	150.00	25.40	49.10	131.81	146.78	3.10	2.00
11E1202R	200.00	25.40	66.20	182.57	197.12	2.80	2.00
11E1157R	250.00	25.40	83.40	234.19	247.35	2.60	2.00
11E1929R	300.00	25.40	100.90	288.30	297.47	2.50	2.00
11E1872R	400.00	25.40	136.50	402.03	397.61	2.40	2.00
11E1261R	500.00	25.40	172.90	523.70	497.74	2.30	2.00
11E1458R	1000.00	25.40	371.60	1331.26	997.99	2.20	2.00
11E1076R	100.00	50.80	30.34	65.80	89.13	9.70	1.10
11E1527R	125.00	50.80	39.20	93.08	116.11	8.20	2.40
11E1418R	150.00	50.80	47.90	119.51	142.23	7.30	2.70
11E1015R	200.00	50.80	65.20	171.87	193.53	6.20	2.90
11E1613R	250.00	50.80	82.54	224.69	244.34	5.50	3.00
11E1985R	300.00	50.80	100.10	279.28	294.80	5.10	3.00
11E1359R	400.00	50.80	135.80	393.38	394.99	5.00	3.40
11E1153R	500.00	50.80	172.30	515.42	495.07	5.00	3.70
11E1834R	1000.00	50.80	371.50	1326.56	995.42	5.00	4.40

Spherical Lens

Cylindrical Lens

Prisms

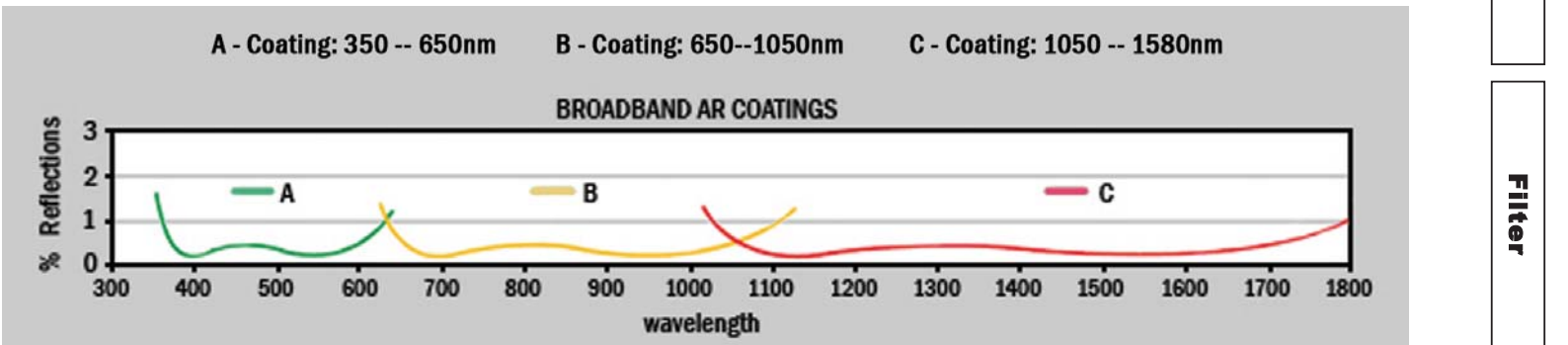
H-K9L负弯月球面透镜 BK7 Negative Meniscus Lenses					技术参数 TECHSPEC		
编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径		后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
			R1(mm)	R2(mm)			
11F1822R	-100.00	25.40	33.65	100.00	-103.03	3.00	4.70
11F1510R	-125.00	25.40	38.77	100.00	-128.29	3.00	4.30
11F1547R	-150.00	25.40	43.14	100.00	-153.55	3.00	4.10
11F1097R	-200.00	25.40	50.23	100.00	-204.06	3.00	3.80
11F1774R	-250.00	25.40	55.71	100.00	-254.58	3.00	3.70
11F1015R	-300.00	25.40	95.11	250.00	-303.22	3.00	3.50
11F1544R	-400.00	25.40	112.49	250.00	-403.63	3.00	3.40
11F1988R	-500.00	25.40	126.34	250.00	-504.04	3.00	3.30
11F1141R	-1000.00	25.40	253.20	500.00	-1004.03	3.00	3.20
11F1764R	-100.00	50.80	40.61	200.00	-104.19	5.00	12.30
11F1736R	-125.00	50.80	48.29	200.00	-129.40	5.00	10.60
11F1829R	-150.00	50.80	55.21	200.00	-155.08	5.50	9.60
11F1338R	-200.00	50.80	67.42	200.00	-205.04	5.00	8.40
11F1269R	-250.00	50.80	77.67	200.00	-255.47	5.00	7.70
11F1129R	-300.00	50.80	101.41	300.00	-305.03	5.00	7.20
11F1115R	-400.00	50.80	121.46	300.00	-405.60	5.00	6.60
11F1089R	-500.00	50.80	137.79	300.00	-506.17	5.00	6.30
11F1591R	-1000.00	50.80	252.85	500.00	-1006.72	5.00	5.60

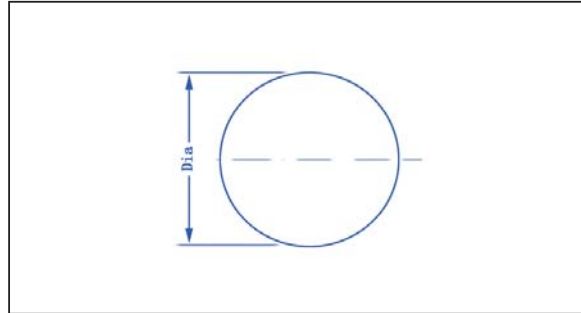
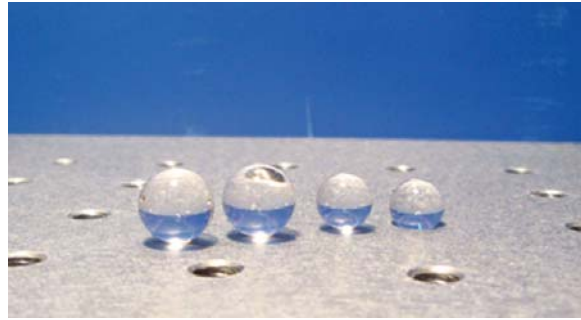
Windows

Mirrors

Coating

Filter

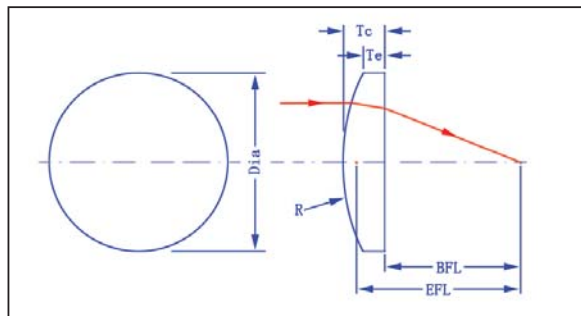
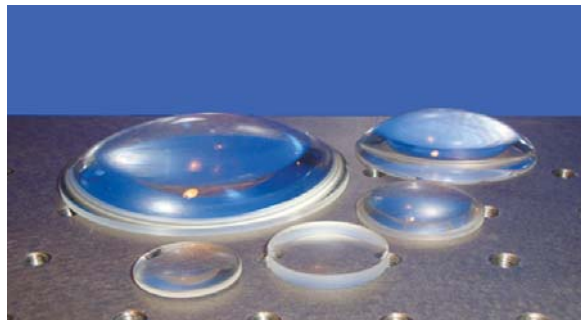




特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Diameter Tolerance	±0.01mm
光 洁 度	Surface Quality	60-40
椭 圆 度	Sphericity	<0.005mm

技术参数 TECHSPEC			
编 号 No.	外圆直径 Dia(mm)	编 号 No.	外圆直径 Dia(mm)
11G0010R	1.00	11G0060R	6.00
11G0015R	1.50	11G0070R	7.00
11G0020R	2.00	11G0080R	8.00
11G0025R	2.50	11G0090R	9.00
11G0030R	3.00	11G0100R	10.00
11G0040R	4.00	11G0150R	15.00
11G0050R	5.00	11G0200R	20.00

紫外熔石英平凸球面透镜 UV-Grade Fused Silica Plano-Convex Lenses



特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	λ/4@632.8nm
光 洁 度	Surface Quality	40-20
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	UV AR Coating 290nm-370nm

技术参数 TECHSPEC						
编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
12A4249R	10.00	5.00	4.58	8.49	2.20	1.50
12A4280R	10.00	6.00	4.58	8.22	2.60	1.50
12A4917R	15.00	6.00	6.88	13.49	2.20	1.50
12A4194R	20.00	6.00	9.17	18.63	2.00	1.50
12A4966R	30.00	6.00	13.75	28.77	1.80	1.50
12A4647R	20.00	12.70	9.17	17.05	4.30	1.80
12A4936R	30.00	12.70	13.75	27.74	3.30	1.80
12A4130R	40.00	12.70	18.34	38.01	2.90	1.80
12A4765R	50.00	12.70	22.92	48.15	2.70	1.80
12A4327R	75.00	12.70	34.39	73.35	2.40	1.80
12A4600R	100.00	12.70	45.85	98.49	2.20	1.80
12A4052R	35.00	25.40	16.05	29.38	8.20	2.00

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter

编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
12A4306R	40.00	25.40	18.34	35.13	7.10	2.00
12A4148R	50.00	25.40	22.92	46.02	5.80	2.00
12A4725R	75.00	25.40	34.39	71.98	4.40	2.00
12A4380R	100.00	25.40	45.85	97.39	3.80	2.00
12A4236R	125.00	25.40	57.31	122.67	3.40	2.00
12A4874R	150.00	25.40	68.77	147.81	3.20	2.00
12A4924R	175.00	25.40	80.24	172.94	3.00	2.00
12A4102R	200.00	25.40	91.70	198.01	2.90	2.00
12A4158R	250.00	25.40	114.62	248.15	2.70	2.00
12A4579R	300.00	25.40	137.55	298.22	2.60	2.00
12A4184R	500.00	25.40	229.25	498.35	2.40	2.00
12A4716R	750.00	25.40	343.87	748.49	2.20	2.00
12A4663R	1000.00	25.40	458.49	998.49	2.20	2.00
12A4464R	60.00	50.80	27.51	46.42	19.80	3.00
12A4078R	75.00	50.80	34.39	65.26	14.20	3.00
12A4545R	100.00	50.80	45.85	92.66	10.70	3.00
12A4904R	150.00	50.80	68.77	144.65	7.80	3.00
12A4984R	200.00	50.80	91.70	195.47	6.60	3.00
12A4538R	250.00	50.80	114.62	246.02	5.80	3.00
12A4855R	300.00	50.80	137.55	296.30	5.40	3.00
12A4782R	500.00	50.80	229.25	496.98	4.40	3.00
12A4745R	750.00	50.80	343.87	747.33	3.90	3.00
12A4337R	1000.00	50.80	458.49	997.46	3.70	3.00
12A4384R	90.00	75.00	41.26	71.56	26.90	3.00
12A4372R	150.00	75.00	68.77	140.33	14.10	3.00
12A4795R	200.00	75.00	91.70	192.46	11.00	3.00
12A4246R	500.00	75.00	229.25	495.82	6.10	3.00

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

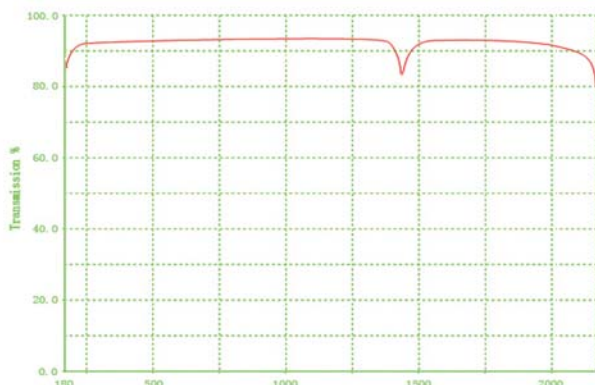
Coating

Filter

石英玻璃的光学性能有其独到之处，它既可以透过远紫外光谱，是所有透紫外材料最优者，又可透过可见光和近红外光谱。

用户可以根据需要，从185-2100nm波段范围内任意选择所需品种。由于石英玻璃耐高温，热膨胀系数极小，化学热稳定性好，气泡、条纹、均匀性、双折射又可与一般光学玻璃媲美，所以它是在各种恶劣场合下工作具有高稳定度光学系统的必不可少的光学材料。

紫外熔石英材料透过率曲线

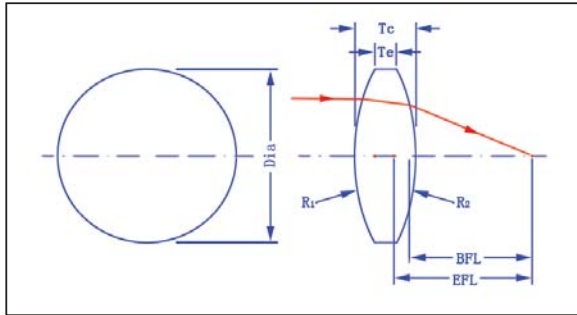


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GoldDragonOptics, dedicated to provide kinds of experimental optics components to scientific research institutes, colleges and universities. Products include spherical lenses kits, cylindrical lenses kits, prisms kits, but also any combination according to customer demand. We can also provide optical experiments with metal mirror circle, various brackets and adjust the rack and other machinery parts.



柱面透镜组



特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	UV AR Coating 290nm-370nm

技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R1=R2(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
12B4743R	10.00	5.00	8.81	9.21	2.20	1.50
12B4280R	10.00	6.00	8.74	9.06	2.60	1.50
12B4537R	15.00	6.00	13.40	14.23	2.20	1.50
12B4738R	20.00	6.00	18.02	19.30	2.00	1.50
12B4209R	30.00	6.00	27.22	29.38	1.80	1.50
12B4854R	20.00	12.70	17.65	18.50	4.20	1.80
12B4003R	30.00	12.70	26.98	28.85	3.30	1.80
12B4700R	40.00	12.70	36.22	38.99	2.90	1.80
12B4915R	50.00	12.70	45.42	49.07	2.70	1.80
12B4436R	75.00	12.70	68.39	74.17	2.40	1.80
12B4627R	100.00	12.70	91.35	99.24	2.20	1.80
12B4879R	35.00	25.40	30.89	32.36	7.40	2.00
12B4030R	40.00	25.40	35.59	37.63	6.70	2.00
12B4096R	50.00	25.40	44.94	48.01	5.70	2.00
12B4330R	75.00	25.40	68.08	73.48	4.40	2.00
12B4941R	100.00	25.40	91.10	98.69	3.80	2.00
12B4913R	125.00	25.40	114.09	123.83	3.40	2.00
12B4265R	150.00	25.40	137.04	148.90	3.20	2.00
12B4530R	175.00	25.40	160.00	173.97	3.00	2.00
12B4282R	200.00	25.40	182.94	199.00	2.90	2.00
12B4837R	250.00	25.40	228.82	249.07	2.70	2.00
12B4545R	300.00	25.40	274.69	299.11	2.60	2.00
12B4453R	500.00	25.40	458.11	499.18	2.40	2.00
12B4223R	750.00	25.40	687.39	749.25	2.20	2.00
12B4374R	1000.00	25.40	916.63	999.25	2.20	2.00
12B4592R	60.00	50.80	52.45	54.39	15.60	2.50
12B4553R	75.00	50.80	66.75	70.58	12.50	2.50
12B4821R	100.00	50.80	90.05	96.40	10.30	3.00
12B4140R	150.00	50.80	136.31	147.30	7.80	3.00
12B4842R	200.00	50.80	182.37	197.76	6.50	3.00
12B4972R	250.00	50.80	228.33	248.00	5.80	3.00
12B4710R	300.00	50.80	274.24	298.14	5.40	3.00
12B4910R	500.00	50.80	457.80	498.49	4.40	3.00
12B4865R	750.00	50.80	687.12	748.66	3.90	3.00
12B4293R	1000.00	50.80	916.40	998.73	3.70	3.00

Spherical Lens

Cylindrical Lens

Prisms

Windows

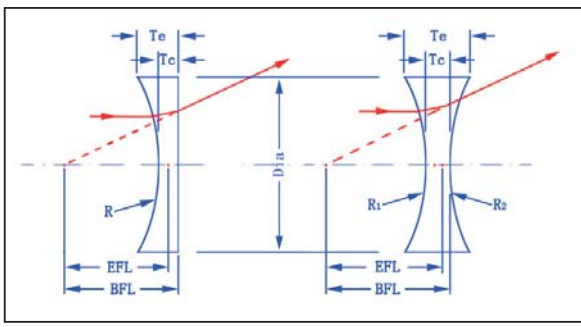
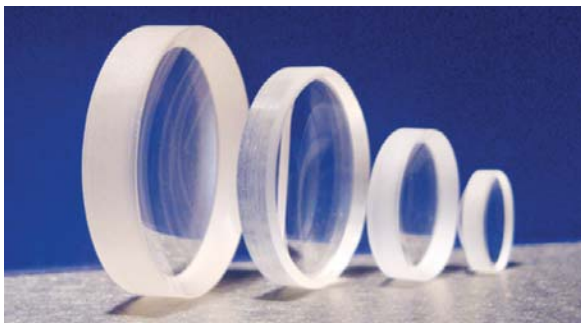
Mirrors

Coating

Filter



特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	UV AR Coating 290nm-370nm



Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

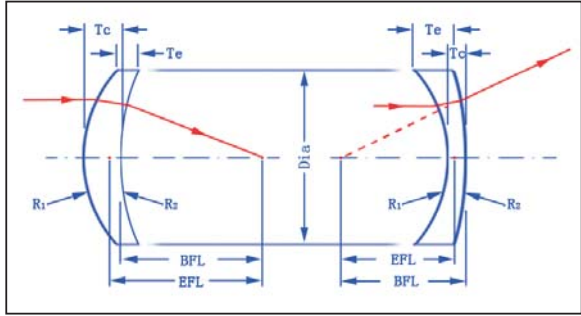
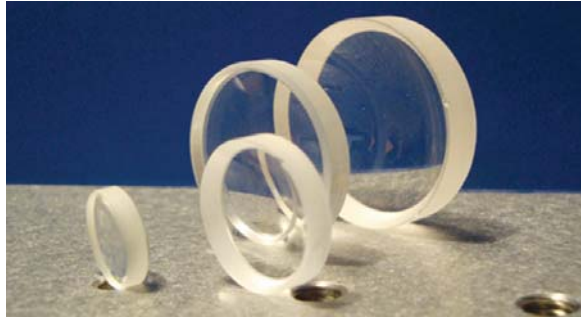
Filter

紫外熔石英平凹球面透镜 UV-Grade Fused Silica Plano-Concave Lenses 技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
12C4573R	-10.00	6.00	-4.58	-11.37	2.00	3.10
12C4291R	-12.00	8.00	-5.50	-13.37	2.00	3.70
12C4924R	-20.00	12.70	-9.17	-21.37	2.00	4.50
12C4210R	-25.00	12.70	-11.46	-27.06	3.00	4.90
12C4796R	-30.00	12.70	-13.75	-32.06	3.00	4.50
12C4357R	-50.00	12.70	-22.92	-52.40	3.50	4.40
12C4413R	-75.00	12.70	-34.39	-77.40	3.50	4.10
12C4232R	-100.00	12.70	-45.85	-102.40	3.50	3.90
12C4918R	-200.00	12.70	-91.70	-202.74	4.00	4.20
12C4252R	-30.00	25.40	-13.75	-32.06	3.00	11.40
12C4027R	-50.00	25.40	-22.92	-52.06	3.00	6.80
12C4513R	-75.00	25.40	-34.39	-77.40	3.50	5.90
12C4888R	-100.00	25.40	-45.85	-102.40	3.50	5.30
12C4425R	-75.00	50.80	-34.39	-77.40	3.50	14.60
12C4743R	-100.00	50.80	-45.85	-102.74	4.00	11.60
12C4869R	-150.00	50.80	-68.77	-152.74	4.00	8.80

紫外熔石英双凹球面透镜 UV-Grade Fused Silica Bi-Concave Lenses 技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R1=R2(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
12D4797R	-6.00	6.00	-5.87	-6.80	2.50	4.10
12D4148R	-12.00	6.00	-11.46	-12.99	3.00	3.80
12D4271R	-9.00	9.00	-8.63	-9.82	2.50	5.00
12D4014R	-18.00	9.00	-16.96	-19.00	3.00	4.20
12D4771R	-15.00	12.70	-14.21	-16.00	3.00	6.00
12D4650R	-25.00	12.70	-23.39	-26.01	3.00	4.80
12D4269R	-30.00	12.70	-27.98	-31.01	3.00	4.50
12D4511R	-50.00	12.70	-46.32	-51.02	3.00	3.90
12D4931R	-25.00	25.40	-23.39	-26.01	3.00	10.50
12D4293R	-50.00	25.40	-46.39	-51.19	3.50	7.00
12D4735R	-75.00	25.40	-69.32	-76.19	3.50	5.80
12D4103R	-100.00	25.40	-92.24	-101.19	3.50	5.30



特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	UV AR Coating 290nm-370nm

紫外熔石英正弯月球面透镜 UV-Grade Fused Silica Positive Meniscus Lenses 技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径		后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
			R1(mm)	R2(mm)			
12E4173R	100.00	25.40	31.00	91.84	95.94	4.00	2.20
12E4197R	150.00	25.40	47.60	151.34	146.83	3.20	2.00
12E4467R	200.00	25.40	64.20	211.05	197.16	2.90	2.00
12E4329R	300.00	25.40	97.60	333.25	297.49	2.60	2.00
12E4484R	500.00	25.40	166.80	609.58	497.74	2.40	2.00
12E4950R	1000.00	25.40	347.09	1425.70	998.01	2.20	2.00
12E4412R	100.00	50.80	30.60	81.89	89.01	10.70	1.20
12E4125R	150.00	50.80	46.50	136.01	142.09	7.80	2.70
12E4560R	200.00	50.80	63.00	194.67	193.41	6.60	2.90
12E4984R	300.00	50.80	97.60	330.21	294.78	5.40	3.00
12E4150R	500.00	50.80	165.40	588.25	495.25	5.00	3.60
12E4822R	1000.00	50.80	355.73	1580.20	995.58	5.00	4.30

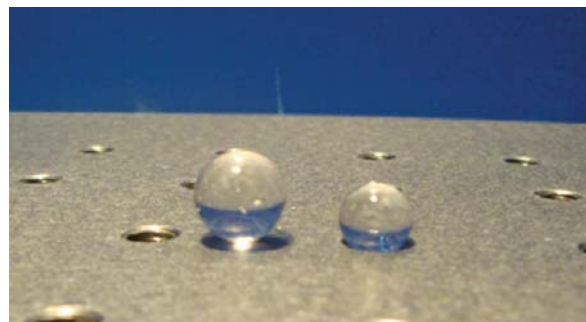
紫外熔石英负弯月球面透镜 UV-Grade Fused Silica Negative Meniscus Lenses 技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径		后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
			R1(mm)	R2(mm)			
12F4938R	-100.00	25.40	34.89	150.00	-102.70	3.00	4.90
12F4370R	-150.00	25.40	46.86	150.00	-153.02	3.00	4.20
12F4624R	-200.00	25.40	56.49	150.00	-203.89	3.50	4.40
12F4348R	-300.00	25.40	71.23	150.00	-304.63	3.50	4.10
12F4706R	--500.00	25.40	106.23	200.00	-505.18	3.50	3.90
12F4986R	-1000.00	25.40	180.58	300.00	-1006.96	4.00	4.20
12F4315R	-100.00	50.80	37.01	200.00	-104.25	5.00	13.40
12F4101R	-150.00	50.80	50.77	200.00	-154.64	5.00	10.20
12F4328R	-200.00	50.80	62.38	200.00	-205.04	5.00	8.80
12F4929R	-300.00	50.80	88.17	250.00	-305.35	5.00	7.40
12F4329R	-500.00	50.80	129.27	300.00	-506.08	5.00	6.40
12F4246R	-1000.00	50.80	180.39	300.00	-1008.71	5.00	5.70



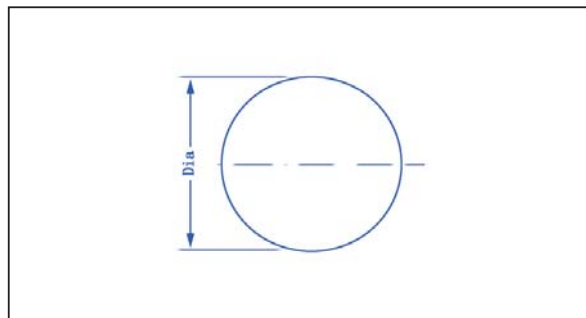
特 性 Specification

材 料	Material	JGS1(UV-Grade Fused Silica)
外型公差	Diameter Tolerance	±0.01mm
光 洁 度	Surface Quality	60-40
椭 圆 度	Sphericity	<0.005mm



技术参数 TECHSPEC

编 号 No.	外圆直径 Dia(mm)	编 号 No.	外圆直径 Dia(mm)
12G0010R	1.00	12G0060R	6.00
12G0015R	1.50	12G0070R	7.00
12G0020R	2.00	12G0080R	8.00
12G0025R	2.50	12G0090R	9.00
12G0030R	3.00	12G0100R	10.00
12G0040R	4.00	12G0150R	15.00
12G0050R	5.00	12G0200R	20.00

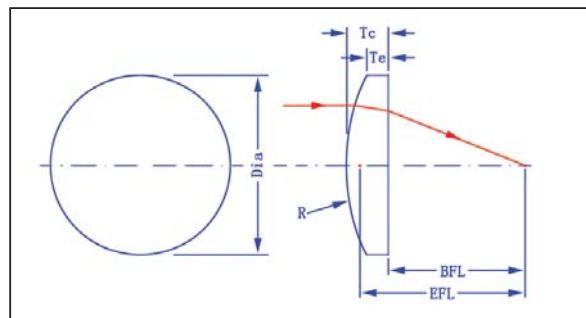
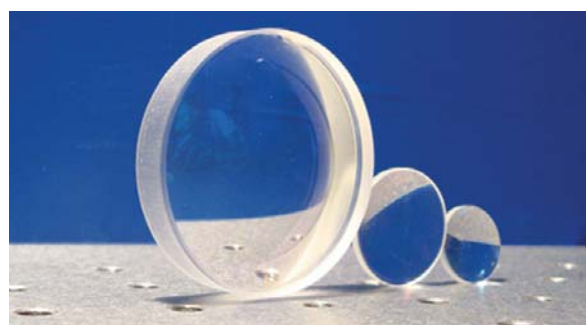


氟化钙晶体平凸球面透镜 Calcium Fluoride Plano-Convex Lenses



特 性 Specification

材 料	Material	CaF2(Calcium Fluoride)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	80-50
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	IR AR Coating 3-5 μm



技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
13A5315R	20.00	12.70	8.68	17.00	4.30	1.50
13A5183R	50.00	12.70	21.69	48.26	2.50	1.50
13A5458R	80.00	12.70	34.71	78.54	2.10	1.50
13A5370R	40.00	25.40	17.35	34.77	7.50	2.00
13A5763R	50.00	25.40	21.69	45.75	6.10	2.00
13A5042R	75.00	25.40	32.54	71.79	4.60	2.00
13A5817R	100.00	25.40	43.38	97.28	3.90	2.00
13A5012R	150.00	25.40	65.08	147.70	3.30	2.00
13A5714R	200.00	25.40	86.77	197.98	2.90	2.00
13A5255R	250.00	25.40	108.46	248.12	2.70	2.00
13A5464R	500.00	25.40	216.92	498.33	2.40	2.00
13A5956R	750.00	25.40	325.39	748.47	2.20	2.00
13A5835R	1000.00	25.40	433.85	998.47	2.20	2.00

Spherical Lens

Cylindrical Lens

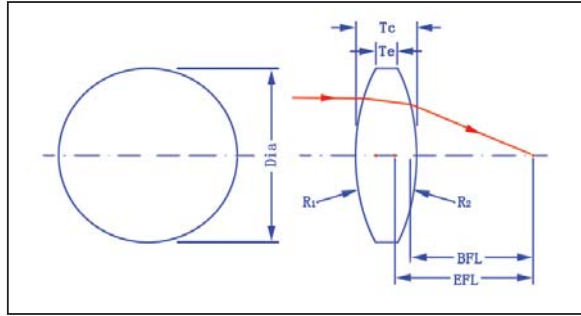
Prisms

Windows

Mirrors

Coating


Filter



特性 Specification		
材料	Material	CaF ₂ (Calcium Fluoride)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光洁度	Surface Quality	80-50
偏心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒边	Bevelling	<0.2×45°
镀膜	Coating	IR AR Coating 3-5 μm

技术参数 TECHSPEC						
编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R1=R2(mm)	后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
N 13B5766R	15.00	12.70	12.10	12.90	5.60	2.00
N 13B5922R	20.00	12.70	16.64	18.36	4.50	2.00
N 13B5864R	40.00	12.70	34.22	38.87	3.20	2.00
N 13B5774R	25.40	25.40	20.23	21.22	11.00	2.00
N 13B5284R	50.00	25.40	42.47	47.90	5.90	2.00
N 13B5247R	75.00	25.40	64.39	73.41	4.50	2.00
N 13B5552R	100.00	25.40	86.18	98.63	3.90	2.00
N 13B5454R	200.00	25.40	173.10	198.99	2.90	2.00

球面透镜组

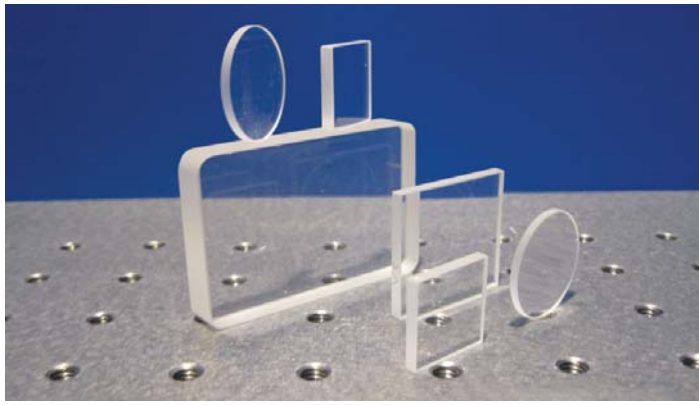


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H-K9L平凸球面透镜组(φ25.4mm): 共18支/套
有效焦距:25.4,30,35,40,50,60,75,100,125,150,175,200,250,300,400,500,750,1000mm

H-K9L双凸球面透镜组(φ25.4mm): 共18支/套
有效焦距:25.4,30,35,40,50,60,75,100,125,150,175,200,250,300,400,500,750,1000mm

紫外熔石英(JGS1)平凸球面透镜组(φ25.4mm): 共14支/套
有效焦距:35,40,50,75,100,125,150,175,200,250,300,500,750,1000mm

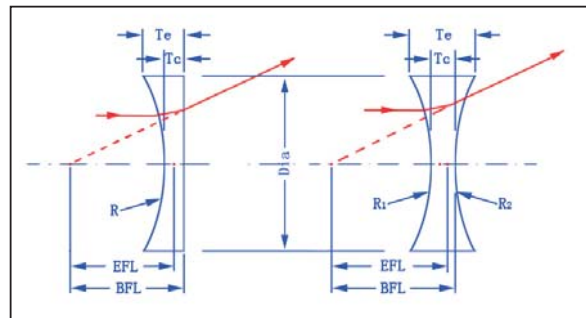
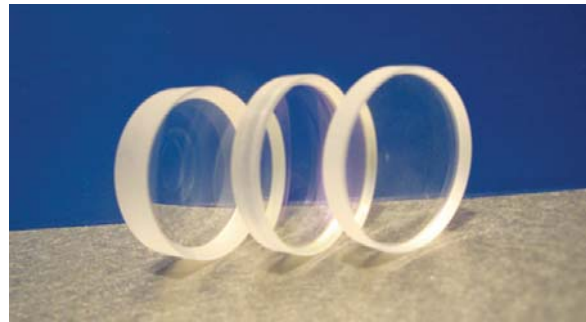


- Spherical Lens
- Cylindrical Lens
- Prisms
- Windows
- Mirrors
- Coating
- Filter



特 性 Specification

材 料	Material	CaF ₂ (Calcium Fluoride)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	λ/4@632.8nm
光 洁 度	Surface Quality	80-50
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	IR AR Coating 3-5 μm



Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter

氟化钙晶体平凹球面透镜 Calcium Fluoride Plano-Concave Lenses 技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
13C5919R	-18.00	12.70	-7.81	-19.39	2.00	5.30
13C5749R	-25.00	12.70	-10.85	-26.74	2.50	4.60
13C5269R	-40.00	25.40	-17.35	-41.39	2.00	7.50
13C5401R	-75.00	25.40	-32.54	-76.74	2.50	5.10
13C5289R	-100.00	25.40	-43.38	-102.09	3.00	4.90
13C5952R	-200.00	25.40	-86.77	-202.44	3.50	4.40
13C5893R	-500.00	25.40	-216.92	-502.79	4.00	4.40

氟化钙晶体双凹球面透镜 Calcium Fluoride Bi-Concave Lenses 技术参数 TECHSPEC

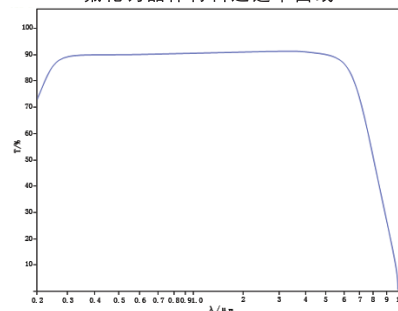
编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R1=R2(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
13D5451R	-15.00	12.70	-13.38	-15.85	2.50	5.70
13D5788R	-25.00	12.70	-22.14	-26.03	3.00	4.90
13D5138R	-30.00	25.40	-26.40	-30.86	2.50	9.00
13D5313R	-50.00	25.40	-43.83	-51.03	3.00	6.80

氟化钙 (CaF₂) 晶体具有硬度高、抗机械冲击和热冲击能力强的特性。在紫外、可见和红外波段具有良好的透过率，广泛用于激光、红外光学、紫外光学和高能探测器等科技领域，特别是在紫外波段的光学性能很好。由于其具有透过率高，荧光辐射很小，是紫外光电探测器，紫外激光器和紫外光学系统的理想材料。

Calcium fluoride (CaF₂) crystal, in the nature of high hardness, mechanical shock and thermal shock resistance ability. It has a good transmittance in the ultraviolet, visible and infrared band and widely used in lasers, infrared optics, ultraviolet and high-energy detectors, etc.

In particular, with its high transmittance and low fluorescence radiation in the UV band to be the well known optical crystal. It is the ideal material apply in the ultraviolet detector, UV lasers and UV optical systems.

氟化钙晶体材料透过率曲线



CaF₂ IR AR Coating 3 μm-5 μm



光学性质:

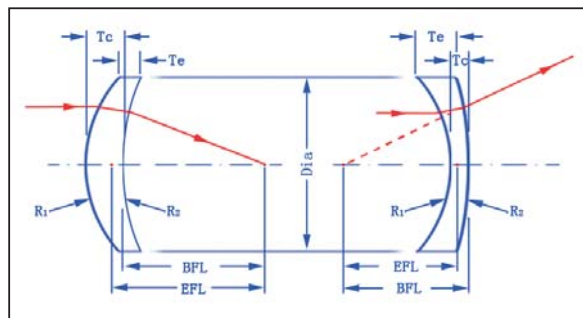
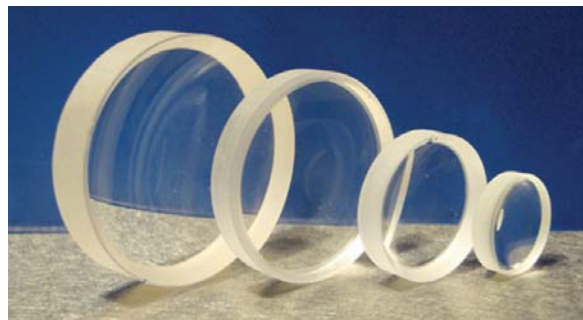
透过波长范围	0.18 μm--8 μm
反射损耗(两面)	5.4%@5000nm
热光系数 dn/dt (1/k)	1.6×10 ⁻⁶

物理性质:

密度(g/cm ³)	3.18
熔点(°C)	1360
介电常数	6.76@1.0GHZ
热膨胀系数(1°C)	18.85×10 ⁻⁶
化学纯度(%)	99.9996
剪切模量(Gpa)	33.77
热导率(J/k.m.s)	9.71
热容量(J/g.k)	0.854
Knoop硬度(kg/mm ²)	158.3
杨氏模量(Gpa)	33.77
泊松比	0.26
体弹模量	82.71

折射率:

波长(μm)	折射率(N)	波长(μm)	折射率(N)
0.19	1.51	2.65	1.42
0.21	1.49	3.9	1.41
0.25	1.47	5.0	1.40
0.33	1.45	6.2	1.38
0.41	1.44	7.0	1.36
0.88	1.43	8.22	1.34



特 性 Specification		
材 料	Material	CaF2(Calcium Fluoride)
设计波长	Design Wavelength	4 μm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	80-50
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	IR AR Coating 3-5 μm

氟化钙晶体正弯月球面透镜 Calcium Fluoride Positive Meniscus Lenses 技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径		后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
			R1(mm)	R2(mm)			
13E5838R	20.00	12.70	7.50	72.44	16.36	4.70	1.40
13E5243R	50.00	12.70	15.00	52.79	47.09	3.00	2.00
N 13E5234R	80.00	12.70	20.00	49.08	76.52	3.00	2.40
13E5183R	40.00	25.40	15.00	146.95	33.10	8.90	2.40
13E5801R	50.00	25.40	15.50	55.20	43.35	7.10	2.00
13E5802R	75.00	25.40	15.50	28.02	67.12	5.60	2.00
13E5803R	100.00	25.40	20.00	36.81	94.19	4.00	1.70
N 13E5382R	150.00	25.40	35.00	78.62	145.02	4.00	2.70
N 13E5414R	200.00	25.40	40.00	75.89	194.19	4.00	3.00
13E5990R	500.00	25.40	125.00	317.77	495.35	4.00	3.60
13E5656R	750.00	25.40	150.00	290.83	744.19	4.00	3.70
N 13E5714R	1000.00	25.40	250.00	638.52	995.35	4.00	3.80

氟化钙晶体负弯月球面透镜 Calcium Fluoride Negative Meniscus Lenses 技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径		后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
			R1(mm)	R2(mm)			
13F5067R	-20.00	12.70	7.50	95.57	-21.55	2.00	5.30
13F5847R	-50.00	12.70	9.79	20.42	-54.45	3.00	4.30
N 13F5154R	-80.00	12.70	16.19	33.72	-84.31	3.00	3.70
13F5469R	-40.00	25.40	15.50	308.29	-43.00	4.00	10.40
13F5414R	-50.00	25.40	15.50	68.50	-53.75	4.00	9.40
13F5895R	-75.00	25.40	14.80	30.80	-80.89	4.00	8.50
13F5515R	-100.00	25.40	20.16	41.97	-105.76	4.00	6.50
N 13F5175R	-150.00	25.40	30.81	64.15	-155.66	4.00	5.50
N 13F5961R	-200.00	25.40	41.44	86.21	-205.61	4.00	5.10
13F5048R	-500.00	25.40	105.10	218.25	-505.53	4.00	4.40
13F5807R	-750.00	25.40	158.12	328.18	-755.52	4.00	4.30
13F5394R	-1000.00	25.40	211.13	438.09	-1005.51	4.00	4.20



Spherical Lens

Cylindrical Lens

Prisms

Windows

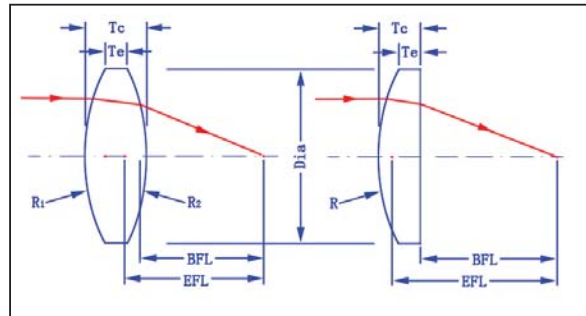
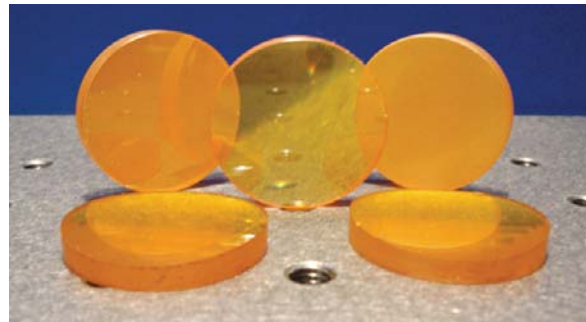
Mirrors

Coating

Filter

特 性 Specification

材 料	Material	ZnSe(Zinc Selenide)
设计波长	Design Wavelength	10.6 μ m
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	λ /2@632.8nm
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	IR AR Coating 8-12 μ m



硒化锌晶体平凸球面透镜 ZnSe Plano-Convex Lenses

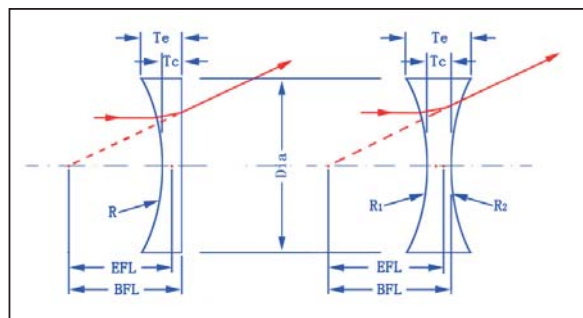
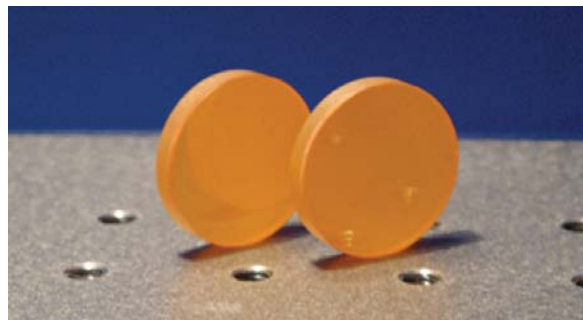
技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
N 14A7477R	15.00	12.70	21.04	13.75	3.00	2.00
N 14A7733R	20.00	12.70	28.05	18.88	2.70	2.00
N 14A7673R	40.00	12.70	56.11	39.00	2.40	2.00
14A7542R	25.40	25.40	35.63	23.61	4.30	2.00
14A7656R	50.00	25.40	70.13	48.34	4.00	2.80
14A7660R	75.00	25.40	105.20	73.34	4.00	3.20
14A7261R	100.00	25.40	140.27	98.34	4.00	3.40
14A7028R	150.00	25.40	210.40	148.34	4.00	3.60
14A7228R	200.00	25.40	280.53	198.34	4.00	3.70
14A7270R	500.00	25.40	701.33	499.13	2.10	2.00
N 14A7234R	750.00	25.40	1052.00	749.13	2.10	2.00
N 14A7753R	1000.00	25.40	1402.66	999.13	2.10	2.00

硒化锌晶体双凸球面透镜 ZnSe Bi-Convex Lenses

技术参数 TECHSPEC

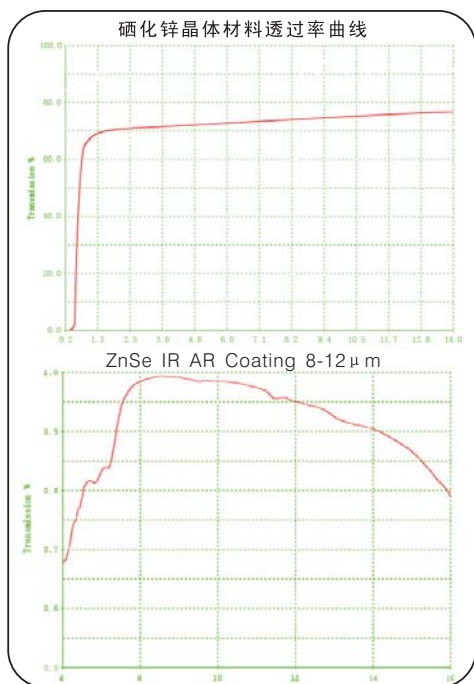
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14B7436R	15.00	12.70	41.19	14.36	3.00	2.00
14B7639R	20.00	12.70	55.31	19.43	2.70	2.00
14B7002R	40.00	12.70	111.51	39.50	2.40	2.00
14B7936R	25.40	25.40	69.98	24.49	4.30	2.00
14B7896R	50.00	25.40	139.33	49.33	3.20	2.00
14B7834R	75.00	25.40	209.58	74.42	2.80	2.00
14B7638R	100.00	25.40	279.77	99.46	2.60	2.00
14B7887R	200.00	25.40	560.39	199.52	2.30	2.00



特 性 Specification		
材 料	Material	ZnSe(Zinc Selenide)
设计波长	Design Wavelength	10.6 μm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	λ/2@632.8nm
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	IR AR Coating 8-12 μm

硒化锌晶体平凹球面透镜 ZnSe Plano-Concave Lenses						技术参数 TECHSPEC	
编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	
14C7759R	-25.40	25.40	-35.63	-26.23	2.00	4.30	
14C7235R	-50.00	25.40	-70.13	-50.83	2.00	3.20	
14C7421R	-75.00	25.40	-105.20	-75.83	2.00	2.80	
14C7414R	-100.00	25.40	-140.27	-100.83	2.00	2.60	
14C7142R	-200.00	25.40	-280.53	-200.83	2.00	2.30	

硒化锌晶体双凹球面透镜 ZnSe Bi-Concave Lenses						技术参数 TECHSPEC	
编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R1=R2(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	
14D7671R	-25.40	25.40	-71.83	-25.81	2.00	4.30	
14D7503R	-50.00	25.40	-140.85	-50.41	2.00	3.20	
14D7877R	-75.00	25.40	-210.98	-75.42	2.00	2.80	
14D7071R	-100.00	25.40	-281.12	-100.42	2.00	2.60	
14D7902R	-200.00	25.40	-561.65	-200.42	2.00	2.30	



CVD硒化锌 (ZnSe) 是一种化学惰性材料，具有纯度高、环境适应能力强、易于加工等特点。它的光传输损耗小，具有很好的透光性能，是高功率CO2激光光学元件的首选材料。由于该红外材料的折射率均匀和一致性很好，因此也是前视红外 (FLIR) 热成像系统中保护窗口和光学元件的理想材料。同时，该材料还广泛用于医学和工业热辐射测量仪和红外光谱仪中的窗口和透镜。

With a transmission range from 600nm--16 μm, Zinc Selenide lenses are ideal for IR applications. Due to the low absorption coefficient, these lenses are also particularly well suited for high-power CO2 laser applications. In contrast to Ge and Si, which also transmit in this spectral range, ZnSe transmits some visible light, thereby allowing for visual alignment of the optic.

光学性质:

透过波长范围	0.5 μm--16 μm
折射率不均匀性(Δn/n)	<3.0×10 ⁻⁶ @632.8nm
吸收系数(1/cm)	5.0×10 ⁻⁴ @10.6 μm
热光系数 dn/dt(1/k)	6.1×10 ⁻⁵ @10.6 μm

折射率: (20℃)

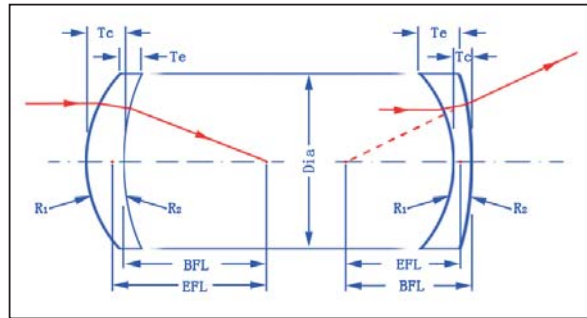
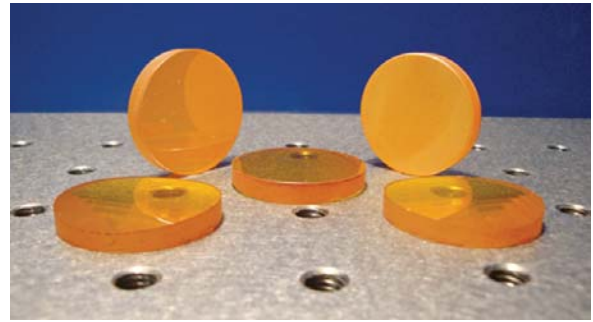
波长(μm)	折射率(N)	波长(μm)	折射率(N)
0.62	2.5994	10.60	2.4028
1.00	2.4892	13.00	2.3850
3.80	2.4339	14.60	2.3705
5.00	2.4295	16.60	2.3487
7.00	2.4218	17.80	2.3333
9.00	2.4122	18.20	2.3278

理化性质:

密度(g/cm ³ @298k)	5.27
电阻率(Ωcm)	~10 ¹²
熔点(℃)	1525
化学纯度(%)	99.9996
热膨胀系数(1k)	7.1×10 ⁻⁶ @273K 7.8×10 ⁻⁶ @373K
热导率(J/k.m.s)	18.0@298K
热容量(J/g.k)	0.339@298K
Knoop硬度(kg/mm ²)	110
抗弯曲强度(Mpa)	55
杨氏模量(Gpa)	67.2
泊松比	0.28



特 性 Specification		
材 料	Material	ZnSe(Zinc Selenide)
设计波长	Design Wavelength	10.6 μm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	λ/2@632.8nm
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	IR AR Coating 8-12 μm



Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

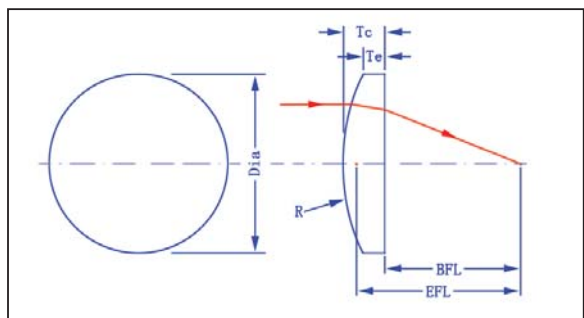
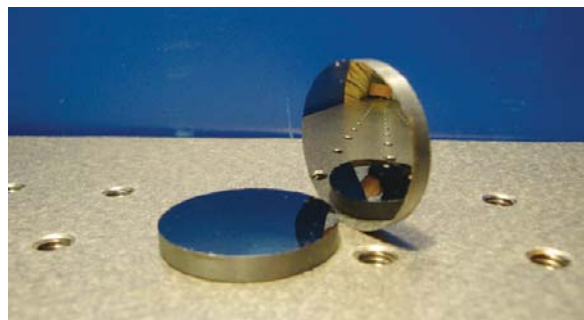
Filter

碲化锌晶体正弯月球面透镜 ZnSe Positive Meniscus Lenses 技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径		后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
			R1(mm)	R2(mm)			
14E7246R	15.00	12.70	7.50	9.03	11.62	2.90	2.00
14E7276R	20.00	12.70	7.50	7.85	15.33	3.00	2.70
14E7963R	40.00	12.70	10.88	11.32	33.56	3.00	2.90
14E7185R	25.40	25.40	15.50	22.58	20.90	4.70	2.00
14E7981R	50.00	25.40	15.50	16.90	42.47	4.00	3.10
14E7996R	75.00	25.40	20.97	23.27	66.65	4.00	3.50
14E7031R	100.00	25.40	28.36	32.62	91.77	4.00	3.60
14E7667R	150.00	25.40	42.71	50.66	141.80	4.00	3.70
14E7898R	200.00	25.40	57.69	69.69	191.91	4.00	3.80
14E7495R	500.00	25.40	146.10	181.59	492.01	4.00	3.90
14E7117R	750.00	25.40	219.57	274.54	742.02	4.00	3.90
14E7199R	1000.00	25.40	293.05	367.49	992.03	4.00	3.90

碲化锌晶体负弯月球面透镜 ZnSe Negative Meniscus Lenses 技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径		后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
			R1(mm)	R2(mm)			
14F7769R	-15.00	12.70	7.50	13.47	-17.33	2.00	3.90
14F7134R	-20.00	12.70	7.90	12.63	-22.96	2.00	3.50
14F7185R	-40.00	12.70	7.65	10.88	-49.16	3.00	4.30
14F7733R	-25.40	25.40	15.50	31.57	-29.23	4.00	8.00
14F7601R	-50.00	25.40	15.56	23.00	-57.50	4.00	6.70
14F7053R	-75.00	25.40	15.53	20.97	-86.27	4.00	6.30
14F7785R	-100.00	25.40	21.65	28.36	-110.79	4.00	5.10
14F7113R	-150.00	25.40	33.56	42.71	-160.44	4.00	4.60
14F7321R	-200.00	25.40	45.92	57.69	-210.17	4.00	4.40
14F7639R	-500.00	25.40	118.98	146.10	-509.81	4.00	4.10
14F7589R	-750.00	25.40	179.73	219.57	-759.74	4.00	4.10
14F7573R	-1000.00	25.40	240.47	293.05	-1009.71	4.00	4.10

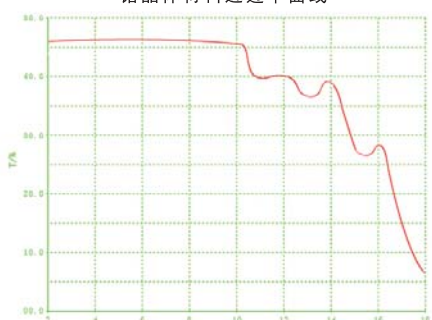


特 性 Specification		
材 料	Material	Ge(Germanium)
设计波长	Design Wavelength	10.6 μm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	λ/2@632.8nm
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	IR AR Coating 8-12 μm

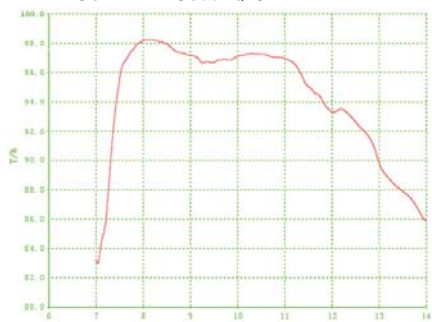
技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
N 15A9410R	15.00	12.70	45.04	14.38	2.50	2.00
N 15A9015R	20.00	12.70	60.06	19.43	2.30	2.00
N 15A9280R	40.00	12.70	120.11	39.45	2.20	2.00
15A9509R	25.40	25.40	76.27	24.63	3.10	2.00
15A9659R	50.00	25.40	150.14	49.00	4.00	3.50
15A9977R	75.00	25.40	225.21	74.00	4.00	3.60
15A9928R	100.00	25.40	300.28	99.00	4.00	3.70
15A9701R	150.00	25.40	450.42	149.00	4.00	3.80
15A9792R	200.00	25.40	600.56	199.00	4.00	3.90
15A9953R	500.00	25.40	1501.39	499.48	2.10	2.00
N 15A9702R	750.00	25.40	2252.09	749.50	2.00	2.00
N 15A9942R	1000.00	25.40	3002.79	999.50	2.00	2.00

锗晶体材料透过率曲线



Ge IR AR Coating 8 μm--12 μm



锗(Ge)单晶是一种化学惰性材料，它的透射光谱范围为2--16μm，是一种非常常用的红外光学材料，具有硬度高、导热性好、不溶于水等特点。广泛用于红外成像系统和红外光谱仪系统。锗单晶的机械性能好，在10.6μm处的吸收很小，是CO₂激光透镜、窗口和输出耦合镜的理想材料。锗(Ge)单晶还被用做各种红外滤波器的基底材料。

The transmission window of Germanium, extends from 2-16 μm, which makes it ideal for long wave infrared imaging application. These Ge Plano-Convex lenses are AR-coated for optimal transmission of infrared light in the 8-12 μm region.

光学性质:

透过波长范围	2 μm--16 μm
吸收系数(1/cm)	1.3×10 ⁻³ @3.8 μm 3×10 ⁻² @10.6 μm
热光系数 dn/dt (1/k)	4.08×10 ⁻⁴ @10.6 μm

折射率: (20℃)

波长(μm)	折射率(N)	波长(μm)	折射率(N)
2.2	4.0879	8.0	4.0057
3.0	4.0451	9.0	4.0040
3.8	4.0267	10.6	4.0028
5.0	4.0160	11.0	4.0025
6.0	4.0107	12.0	4.0021
7.0	4.0079	13.0	4.0018

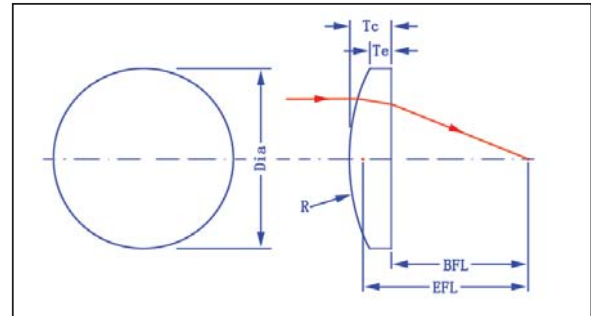
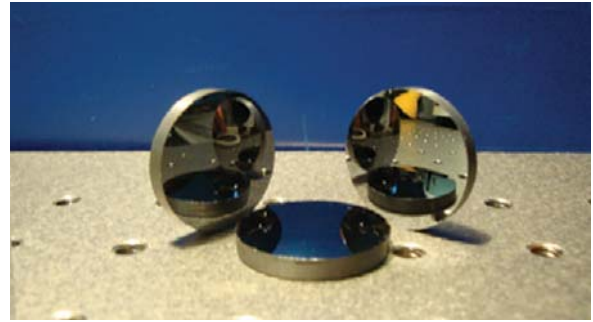
理化性质:

密度(g/cm ³)	5.33
熔点(℃)	936
介电系数 静态/高频	16.6@9.37GHZ (300K)
热膨胀系数(1/℃)	6.1×10 ⁻⁶ @298K
体弹模量(Gpa)	77.2
剪切模量(Gpa)	67
热导率(J/k.m.s)	58.61@298K
热容量(J/g.k)	0.31
Knoop硬度(kg/mm ²)	780
杨氏模量(Gpa)	102.7
泊松比	0.28
弹性系数	C ₁₁ =12.7 C ₁₁ '=48.3 C ₁₁ '=67.1



特性 Specification

材料	Material	Si(Silicon)
设计波长	Design Wavelength	4.0 μm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面型	Surface Accuracy	λ/2@632.8nm
光洁度	Surface Quality	60-40
偏心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒边	Bevelling	<0.2×45°
镀膜	Coating	IR AR Coating 3-5 μm

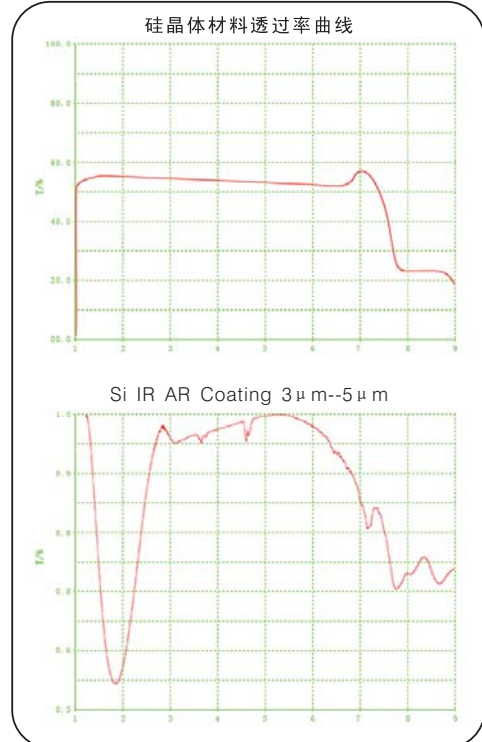


技术参数 TECHSPEC

编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
N 16A8308R	15.00	12.70	36.38	14.24	2.60	2.00
N 16A8126R	20.00	12.70	48.51	19.30	2.40	2.00
N 16A8943R	40.00	12.70	97.01	39.36	2.20	2.00
16A8281R	25.40	25.40	61.60	24.44	3.30	2.00
16A8862R	50.00	25.40	121.27	48.83	4.00	3.30
16A8949R	75.00	25.40	181.90	73.83	4.00	3.60
16A8020R	100.00	25.40	242.53	98.83	4.00	3.70
16A8336R	150.00	25.40	363.80	148.83	4.00	3.80
16A8019R	200.00	25.40	485.06	198.83	4.00	3.80
16A8023R	500.00	25.40	1212.65	499.39	2.10	2.00
N 16A8599R	750.00	25.40	1818.98	749.42	2.00	2.00
N 16A8810R	1000.00	25.40	2425.30	999.42	2.00	2.00

硅(Si)单晶是一种化学惰性材料，硬度高、不溶于水。它在1.2-8μm波段具有很好的透光性能。硅(Si)单晶通常用于3-5μm中波红外光学窗口和光学滤光片的基片。由于该材料导热性能好、密度低，也是制作激光反射镜的常用材料。

Silicon has a transmission window from 1.2 to 8 μm. Plano-Convex Lenses with silicon coatings are a common choice for imaging light with wavelengths between 3 and 5 μm. These lenses are AR coated to achieve optimal light transmission in that range.



光学性质:

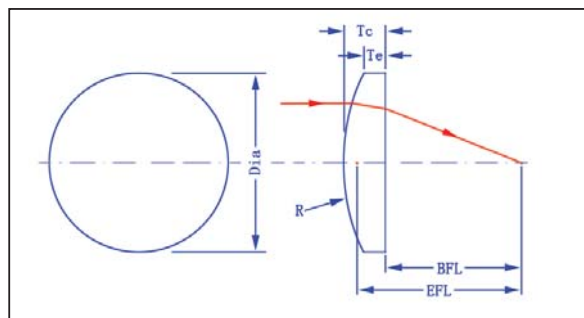
透过波长范围	1.2 μm--8 μm
吸收系数(1/cm)	1.6×10 ⁻⁴
热光系数 dn/dt (1/k)	1.6×10 ⁻³ @3.0 μm

理化性质:

密度(g/cm ³)	2.33
熔点(°C)	1420
介电系数	13.0@10.0GHZ
热膨胀系数(1/°C)	4.15×10 ⁻⁵
体弹模量(Gpa)	102
剪切模量(Gpa)	79.9
热导率(J/k.m.s)	163.3@273K
热容量(J/g.k)	0.733
Knoop硬度(kg/mm ²)	1150
杨氏模量(Gpa)	131
泊松比	0.266
弹性系数	C ₁₁ =167 C ₁₂ =65 C ₄₄ =80

折射率: (20°C)

波长(μm)	折射率(N)	波长(μm)	折射率(N)
1.357	3.4975	3.500	3.4284
1.660	3.4696	4.000	3.4257
1.813	3.4608	5.000	3.4223
1.970	3.4537	6.000	3.4202
2.325	3.4430	7.000	3.4189
3.000	3.4320	8.500	3.4182



特 性 Specification		
材 料	Material	MgF ₂ (Magnesium Fluoride)
设计波长	Design Wavelength	200nm,486nm,633nm,2.0 μm
焦距公差	Focal Length Tolerance	±2%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	λ/2@632.8nm
光 洁 度	Surface Quality	80-50
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)				外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
	200nm	486nm	633nm	2.0 μm					
18A6002R	44.64	49.68	50.10	51.35	25.4	18.89	39.79	6.90	2.00
18A6004R	66.83	74.36	75.00	76.86	25.4	28.27	63.31	5.00	2.00
18A6005R	89.37	99.45	100.30	102.79	25.4	37.81	86.35	4.30	2.10
18A6006R	133.74	148.83	150.10	153.83	25.4	56.58	131.49	3.20	1.80
18A6007R	178.20	198.31	200.00	204.97	25.4	75.40	175.96	3.20	2.10
18A6008R	222.84	247.98	250.10	256.32	25.4	94.28	220.88	2.80	1.90
18A6009R	445.51	495.76	500.00	512.43	25.4	188.49	443.68	2.60	2.20
18A6010R	891.02	991.52	1000.00	1024.87	25.4	376.98	889.34	2.40	2.20

柱面透镜组



长春市金龙光电科技有限责任公司竭诚为科研院所、高等院校提供实验光学元件组件，产品包括球面透镜组、柱面透镜组、棱镜组等各种光学元件组，也可根据客户需求任意组合。并可提供光学实验所需的金属镜圈、各种支架和调整架等机械配件。

H-K9L柱面透镜组(20.0×22.0mm): 共24支/套

有效焦距:50,60,70,100,130,150,200,300,400,500,700,1000mm
-50,-60,-70,-100,-130,-150,-200,-300,-400,-500,-700,-1000mm

H-K9L柱面透镜组(30.0×32.0mm): 共24支/套

有效焦距:50,60,70,100,130,150,200,300,400,500,700,1000mm
-50,-60,-70,-100,-130,-150,-200,-300,-400,-500,-700,-1000mm

H-K9L圆柱面透镜组(φ25.4mm): 共20支/套

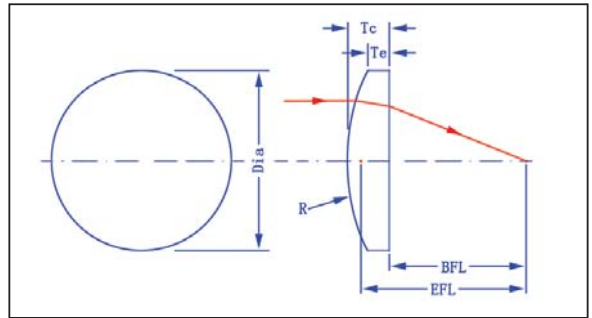
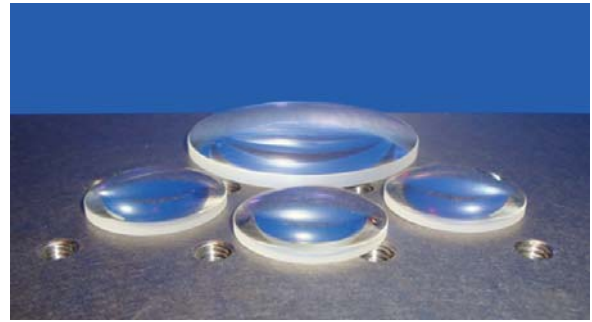
有效焦距:50,75,100,150,200,250,300,400,500,700mm
-50,-75,-100,-150,-200,-250,-300,-400,-500,-700mm





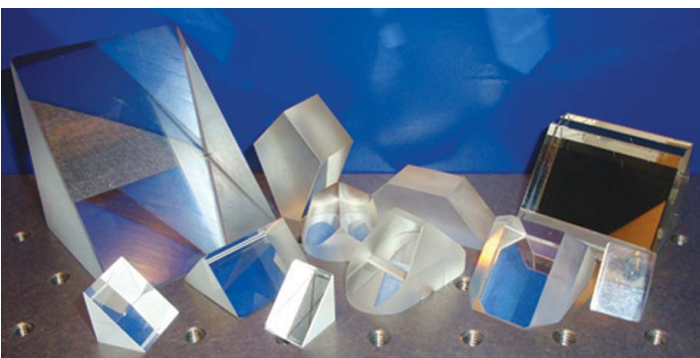
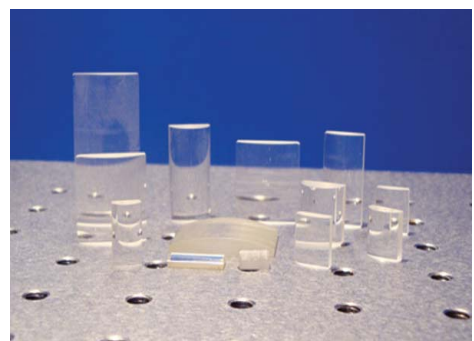
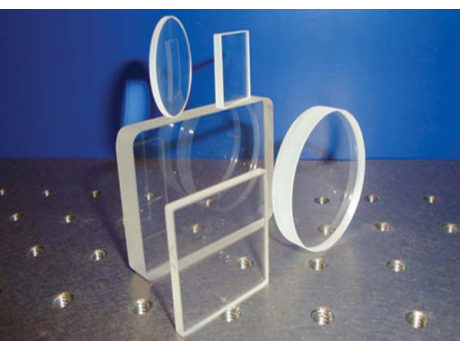
特 性 Specification

材 料	Material	BaF ₂ (Barium Fluoride)
设计波长	Design Wavelength	4.0 μm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	λ/2@632.8nm
光 洁 度	Surface Quality	80-50
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>80%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	IR AR Coating 3-5 μm



技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)
18A0309R	15.00	12.70	6.85	10.68	6.30	2.00
18A0506R	20.00	12.70	9.13	16.84	4.60	2.00
18A0259R	40.00	12.70	18.27	37.87	3.10	2.00
18A0583R	30.00	25.40	13.70	22.72	10.60	2.00
18A0835R	50.00	25.40	22.83	45.95	5.90	2.00
18A0270R	75.00	25.40	34.25	71.98	4.40	2.00
18A0737R	100.00	25.40	45.67	97.39	3.80	2.00
18A0618R	150.00	25.40	68.50	147.80	3.20	2.00
18A0606R	200.00	25.40	91.34	198.01	2.90	2.00
18A0978R	500.00	25.40	228.35	498.35	2.40	2.00
18A0209R	750.00	25.40	342.52	748.49	2.20	2.00
18A0820R	1000.00	25.40	456.70	998.49	2.20	2.00



Spherical Lens

Cylindrical Lens

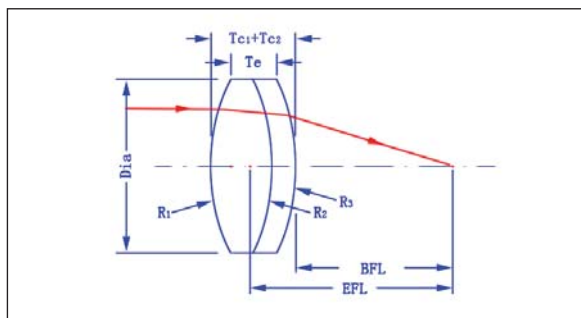
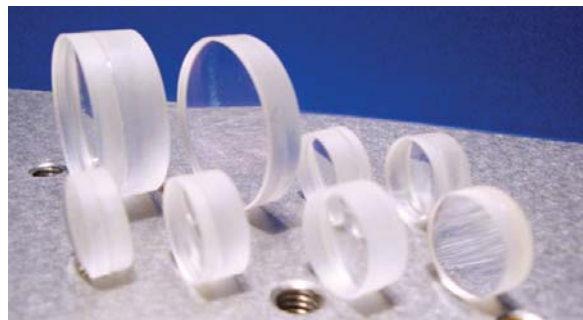
Prisms

Windows

Mirrors

Coating

Filter



特 性 Specification		
设计波长	Design Wavelength	A: 486.1nm 587.6nm 656.3nm
		B: 706.5nm 855nm 1015nm
		C: 1016nm 1330nm 1550nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
镀 膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm

技术参数 TECHSPEC

编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	材 料(Material)	
						CDGM	Schott
18AC050-008-A	7.50	5.00	5.20	4.50	3.70	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC050-008-B	7.50	5.00	4.80	4.60	3.80	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC050-008-C	7.50	5.00	5.20	4.00	3.10	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC050-010-A	10.00	5.00	7.90	4.40	3.70	BAK7 ZF2	BAK4 SF5
18AC050-010-B	10.00	5.00	8.00	3.80	3.20	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC050-010-C	10.00	5.00	6.90	4.00	3.30	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC050-015-A	15.00	5.00	13.60	4.80	4.30	H-K9L ZF1	BK7 SF2
18AC050-015-B	15.00	5.00	13.00	4.00	3.60	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC050-015-C	15.00	5.00	11.60	3.30	2.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC060-010-A	10.00	6.00	7.90	4.00	3.00	BAK7 ZF2	BAK4 SF5
18AC060-010-B	10.00	6.00	8.10	4.00	2.30	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC060-010-C	10.00	6.00	8.50	4.80	3.90	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC064-013-A	12.70	6.35	10.30	4.00	3.10	BAK7 ZF2	BAK4 SF5
18AC064-013-B	12.70	6.35	10.70	3.90	3.10	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC064-013-C	12.70	6.35	11.40	4.10	3.30	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC064-015-A	15.00	6.35	13.00	4.00	3.20	H-K9L ZF1	BK7 SF2
18AC064-015-B	15.00	6.35	13.10	3.90	3.20	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC064-015-C	15.00	6.35	14.40	3.60	2.90	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC080-010-A	10.00	8.00	6.70	6.50	4.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC080-010-B	10.00	8.00	7.00	5.80	4.40	LAK8 H-ZF7L	LAK10 SFL6
18AC080-010-C	10.00	8.00	7.10	5.50	3.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC080-016-A	16.00	8.00	13.90	4.00	3.10	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC080-016-B	16.00	8.00	14.00	4.00	3.00	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC080-016-C	16.00	8.00	12.30	4.80	3.80	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC080-020-A	20.00	8.00	17.80	4.00	3.00	H-K9L ZF1	BK7 SF2
18AC080-020-B	20.00	8.00	18.20	3.60	2.80	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC080-020-C	20.00	8.00	15.70	4.60	3.70	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC127-019-A	19.00	12.70	15.70	6.00	4.00	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC127-019-B	19.00	12.70	15.50	6.00	3.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC127-019-C	19.00	12.70	15.40	6.50	4.30	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC127-025-A	25.00	12.70	21.50	7.00	5.60	H-ZBAF52 ZF4	BAFN10 SF10
18AC127-025-B	25.00	12.70	21.10	7.00	5.40	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC127-025-C	25.00	12.70	20.30	6.20	4.50	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC127-030-A	30.00	12.70	27.50	5.00	3.40	H-K9L ZF1	BK7 SF2
18AC127-030-B	30.00	12.70	27.30	5.00	3.70	H-LAK10 H-ZF7L	LAKN22 SFL6

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter

技术参数 TECHSPEC

编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	材料(Material)	
						CDGM	Schott
18AC127-030-C	30.00	12.70	24.50	6.20	4.80	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC127-050-A	50.00	12.70	47.20	5.00	4.00	H-K9L ZF1	BK7 SF2
18AC127-050-B	50.00	12.70	46.20	5.00	4.20	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC127-050-C	50.00	12.70	43.50	5.50	4.60	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC127-075-A	75.00	12.70	72.90	4.00	3.40	H-K9L ZF1	BK7 SF2
18AC127-075-B	75.00	12.70	72.00	4.00	3.50	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC127-075-C	75.00	12.70	69.70	4.50	3.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-030-A	30.00	25.40	22.90	14.00	8.80	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-030-B	30.00	25.40	23.00	13.50	8.20	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-030-C	30.00	25.40	22.20	14.80	9.40	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-035-A	35.00	25.40	27.30	14.00	9.60	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-035-B	35.00	25.40	28.40	12.00	7.50	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-035-C	35.00	25.40	27.40	13.30	8.70	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-040-A	40.00	25.40	33.40	12.50	7.40	H-K9L ZF2	BK7 SF5
18AC254-040-B	40.00	25.40	32.80	12.50	8.60	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-040-C	40.00	25.40	32.80	11.80	7.70	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-045-A	45.00	25.40	40.20	9.00	5.70	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-045-B	45.00	25.40	39.60	9.40	5.90	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-045-C	45.00	25.40	36.70	11.40	7.70	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-050-A	50.00	25.40	43.40	11.50	8.70	H-ZBAF52 ZF4	BAFN10 SF10
18AC254-050-B	50.00	25.40	45.00	9.30	6.20	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-050-C	50.00	25.40	41.20	10.80	7.40	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-060-A	60.00	25.40	54.30	10.50	8.20	ZBAF16 ZF4	BAF11 SF10
18AC254-060-B	60.00	25.40	55.80	7.70	5.10	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-060-C	60.00	25.40	50.50	10.10	7.20	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-075-A	75.00	25.40	70.30	9.50	6.90	H-K9L ZF2	BK7 SF5
18AC254-075-B	75.00	25.40	69.90	6.60	4.50	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-075-C	75.00	25.40	64.90	9.40	7.10	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-100-A	100.00	25.40	97.10	6.50	4.70	H-K9L ZF2	BK7 SF5
18AC254-100-B	100.00	25.40	97.10	5.50	4.00	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-100-C	100.00	25.40	90.30	8.30	6.60	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-150-A	150.00	25.40	146.10	7.90	6.60	H-K9L ZF2	BK7 SF5
18AC254-150-B	150.00	25.40	144.60	7.50	6.50	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-150-C	150.00	25.40	140.60	7.50	6.30	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC254-200-A	200.00	25.40	194.00	6.50	5.70	H-ZBAF50 H-LAF4	SSKN5 LAFN7
18AC254-200-B	200.00	25.40	194.80	8.00	7.30	H-LAK10 ZF4	LAKN22 SF10
18AC254-200-C	200.00	25.40	193.10	7.00	6.10	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC254-250-A	250.00	25.40	246.70	6.00	5.20	H-K9L ZF1	BK7 SF2
18AC254-250-B	250.00	25.40	237.50	5.50	4.70	ZF2 H-ZF7L	SF5 SFL6
18AC254-250-C	250.00	25.40	235.30	7.00	6.00	ZF1 H-ZF7L	SF2 SFL6
18AC254-300-A	300.00	25.40	297.00	6.00	5.40	H-K9L ZF1	BK7 SF2
18AC254-300-B	300.00	25.40	290.00	6.00	5.30	ZF2 H-ZF7L	SF5 SFL6
18AC254-300-C	300.00	25.40	285.90	7.00	6.20	ZF1 H-ZF7L	SF2 SFL6
18AC254-400-A	400.00	25.40	396.00	6.00	5.50	H-K9L ZF1	BK7 SF2
18AC254-400-B	400.00	25.40	391.10	5.30	4.80	ZF2 H-ZF7L	SF5 SFL6
18AC254-400-C	400.00	25.40	386.80	6.70	6.10	ZF1 H-ZF7L	SF2 SFL6
18AC254-500-A	500.00	25.40	499.90	6.00	5.60	H-K9L ZF1	BK7 SF2
18AC254-500-B	500.00	25.40	480.80	6.00	5.60	ZF4 H-ZF7L	SF10 SFL6
18AC254-500-C	500.00	25.40	486.90	5.50	5.00	ZF1 H-ZF7L	SF2 SFL6
18AC300-050-A	50.00	30.00	44.30	10.50	6.30	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC300-050-B	50.00	30.00	42.90	11.50	7.20	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC300-050-C	50.00	30.00	44.70	12.00	7.70	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC300-080-A	80.00	30.00	74.30	10.50	7.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC300-080-B	80.00	30.00	75.30	8.50	5.80	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC300-080-C	80.00	30.00	68.40	11.50	8.50	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC300-100-A	100.00	30.00	96.40	7.00	5.00	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC300-100-B	100.00	30.00	94.00	8.00	5.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC300-100-C	100.00	30.00	88.00	10.70	8.30	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-075-A	75.00	50.80	61.70	23.00	14.90	H-ZBAF16 ZF13	BAF11 SF11

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter

技术参数 TECHSPEC

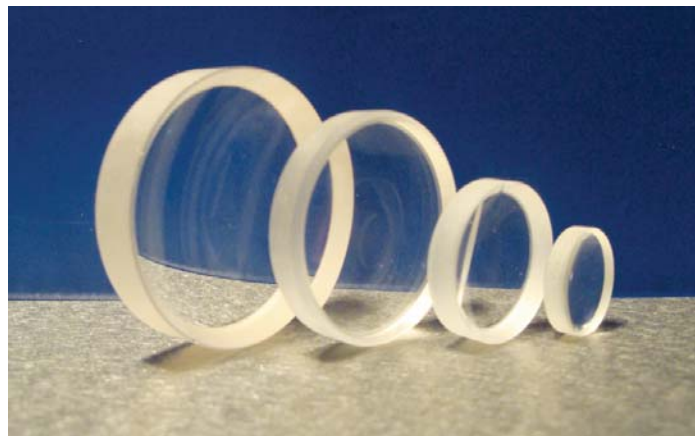
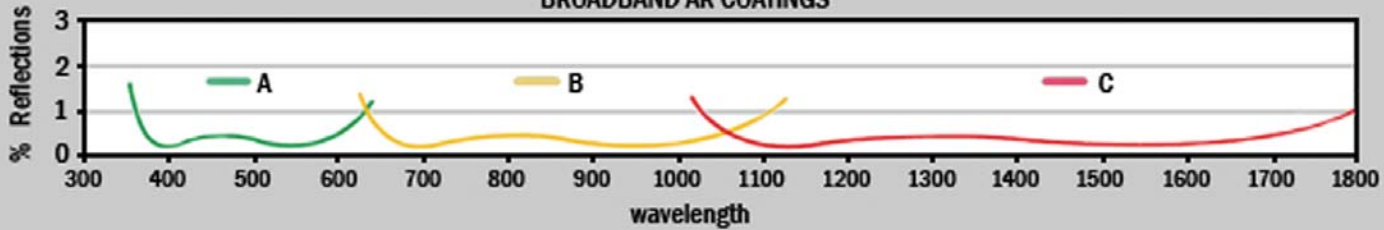
编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	后 焦 距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	材 料(Material)	
						CDGM	Schott
18AC508-075-B	75.00	50.80	65.70	17.00	9.20	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC508-075-C	75.00	50.80	63.00	21.50	13.10	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-080-A	80.00	50.80	69.90	18.00	10.50	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-080-B	80.00	50.80	69.50	18.00	10.30	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-080-C	80.00	50.80	66.90	20.50	12.60	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-100-A	100.00	50.80	89.00	20.00	14.40	H-ZBAF52 ZF4	BAFN10 SF10
18AC508-100-B	100.00	50.80	91.50	15.00	8.70	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC508-100-C	100.00	50.80	83.00	19.50	12.80	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-150-A	150.00	50.80	141.00	15.00	9.70	H-K9L ZF2	BK7 SF5
18AC508-150-B	150.00	50.80	145.30	13.20	9.30	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC508-150-C	150.00	50.80	117.70	23.00	17.70	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC508-200-A	200.00	50.80	193.70	10.50	6.70	H-K9L ZF1	BK7 SF2
18AC508-200-B	200.00	50.80	193.20	13.20	10.10	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC508-200-C	200.00	50.80	182.70	15.00		H-LAK10 H-ZF7L	LAKN22 SFL6
18AC508-250-A	250.00	50.80	244.60	9.50	6.40	H-K9L ZF1	BK7 SF2
18AC508-250-B	250.00	50.80	252.30	9.20	6.80	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-250-C	250.00	50.80	234.40	13.00	10.20	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-300-A	300.00	50.80	295.40	8.00	5.40	H-K9L ZF1	BK7 SF2
18AC508-300-B	300.00	50.80	295.10	9.20	7.20	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC508-300-C	300.00	50.80	287.40	11.50	9.10	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-400-A	400.00	50.80	396.10	7.00	5.10	H-K9L ZF1	BK7 SF2
18AC508-400-B	400.00	50.80	393.60	7.10	5.60	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC508-400-C	400.00	50.80	391.10	9.50	7.80	H-ZBAF52 H-ZF7L	BAFN10 SFL6
18AC508-500-A	500.00	50.80	495.80	7.00	5.50	H-K9L ZF1	BK7 SF2
18AC508-500-B	500.00	50.80	497.00	7.10	5.90	H-LAK10 H-ZF7L	LAKN22 SFL6
18AC508-500-C	500.00	50.80	474.40	11.80	9.90	ZF2 H-ZF7L	SF5 SFL6
18AC508-750-A	750.00	50.80	746.50	6.50	5.50	H-K9L ZF1	BK7 SF2
18AC508-750-B	750.00	50.80	744.80	6.70	6.00	H-ZBAF52 ZF4	BAFN10 SF10
18AC508-750-C	750.00	50.80	711.00	11.80	10.70	ZF4 H-ZF7L	SF10 SFL6
18AC508-1000-A	1000.00	50.80	994.60	6.00	5.20	H-K9L ZF1	BK7 SF2
18AC508-1000-B	1000.00	50.80	993.40	7.00	6.40	H-ZBAF52 ZF4	BAFN10 SF10
18AC508-1000-C	1000.00	50.80	990.50	9.00	8.10	ZF2 H-ZF7L	SF5 SFL6

A - Coating: 350 -- 650nm

B - Coating: 650--1050nm

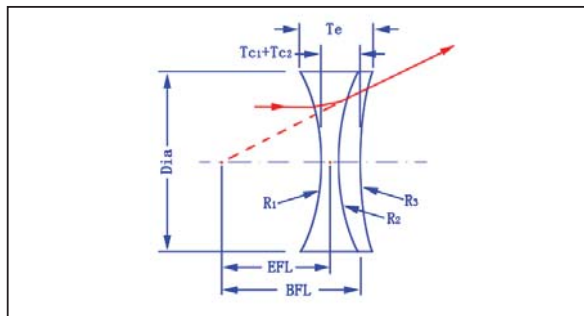
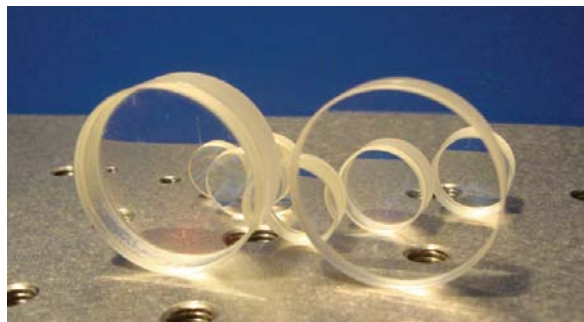
C - Coating: 1050 -- 1580nm

BROADBAND AR COATINGS





特性 Specification	
设计波长 Design Wavelength	A: 486.1nm 587.6nm 656.3nm
	B: 706.5nm 855nm 1015nm
	C: 1016nm 1330nm 1550nm
焦距公差 Focal Length Tolerance	±1%
外型公差 Diameter Tolerance	+0.0/-0.1mm
厚度公差 Thickness Tolerance	±0.2mm
面型 Surface Accuracy	$\lambda/4@632.8\text{nm}$
光洁度 Surface Quality	60-40
偏心 Centration	<3 arc min
有效孔径 Clear Aperture	>90%
镀膜 Coating	A: AR Coating 350nm-650nm
	B: AR Coating 650nm-1050nm
	C: AR Coating 1050nm-1580nm



技术参数 TECHSPEC								
编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	后焦距 BFL(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	材料(Material)		
						CDGM	Schott	
18ACN127-020-A	-20.00	12.70	-22.30	4.50	6.30	H-ZBAF52 H-ZF7L	BAFN10 SFL6	
18ACN127-020-B	-20.00	12.70	-22.50	4.50	6.40	H-ZBAF52 H-ZF7L	BAFN10 SFL6	
18ACN127-025-A	-25.00	12.70	-27.00	4.00	5.40	H-ZBAF52 H-ZF7L	BAFN10 SFL6	
18ACN127-025-B	-25.00	12.70	-27.70	4.30	5.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6	
18ACN127-030-A	-30.00	12.70	-32.20	3.80	5.70	BAK7 ZF2	BAK4 SF5	
18ACN127-030-B	-30.00	12.70	-32.00	4.00	5.30	H-LAK10 H-ZF7L	LAKN22 SFL6	
18ACN127-050-A	-50.00	12.70	-52.30	3.70	4.60	BAK7 ZF2	BAK4 SF5	
18ACN127-050-B	-50.00	12.70	-52.50	3.50	4.30	H-ZBAF52 H-ZF7L	BAFN10 SFL6	
18ACN254-040-A	-40.00	25.40	-43.60	7.00	10.60	H-ZBAF52 ZF13	BAFN10 SF11	
18ACN254-040-B	-40.00	25.40	-43.40	6.00	9.80	H-ZBAF52 H-ZF7L	BAFN10 SFL6	
18ACN254-050-A	-50.00	25.40	-53.20	6.50	9.40	H-ZBAF52 H-ZF7L	BAFN10 SFL6	
18ACN254-050-B	-50.00	25.40	-53.80	6.00	9.10	H-ZBAF52 H-ZF7L	BAFN10 SFL6	
18ACN254-075-A	-75.00	25.40	-78.80	6.30	8.60	BAK7 ZF2	BAK4 SF5	
18ACN254-075-B	-75.00	25.40	-78.90	5.80	7.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6	
18ACN254-100-A	-100.00	25.40	-103.60	6.00	7.70	BAK7 ZF2	BAK4 SF5	
18ACN254-100-B	-100.00	25.40	-103.90	5.40	6.90	H-ZBAF52 H-ZF7L	BAFN10 SFL6	

光学棱镜组



长春市金龙光电科技有限责任公司竭诚为科研院所、高等院校提供实验光学元件组件，产品包括球面透镜组、柱面透镜组、棱镜组等各种光学元件组，也可根据客户需求任意组合。并可提供光学实验所需的金属镜圈、各种支架和调整架等机械配件。

- H-K9L等腰直角棱镜组：共10支/套
直角边长:3, 5, 10, 15, 20, 25, 30, 35, 40, 60 mm
- 紫外熔石英(JGS1)等腰直角棱镜组：共10支/套
直角边长:3, 5, 10, 15, 20, 25, 30, 35, 40, 60 mm
- H-K9L等边棱镜组：共10支/套
直角边长:3, 5, 10, 15, 20, 25, 30, 35, 40, 60 mm
- 紫外熔石英(JGS1)等边棱镜组：共10支/套
直角边长:3, 5, 10, 15, 20, 25, 30, 35, 40, 60 mm



Spherical Lens

Cylindrical Lens

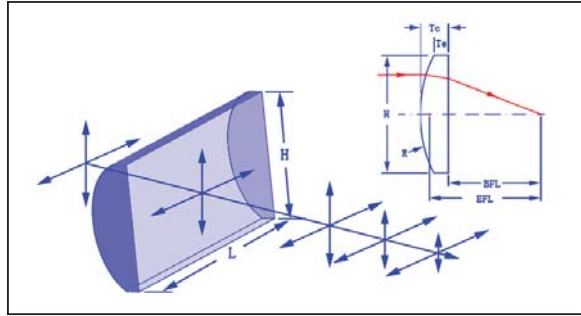
Prisms

Windows

Mirrors

Coating

Filter



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Dimension Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	$\lambda/2@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm

技术参数 TECHSPEC							
编 号 No.	有效焦距 EFL(mm)	曲率半径 R(mm)	长 度 L(mm)	宽 度 H(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后 焦 距 BFL(mm)
21J1598L1S	3.90	2.02	6.00	4.00	3.80	2.00	1.39
21J1598L2S	3.90	2.02	8.00	4.00	3.80	2.00	1.39
21J1310L1S	4.00	2.07	6.00	4.00	3.56	2.00	1.65
21J1310L2S	4.00	2.07	8.00	4.00	3.56	2.00	1.65
21J1918L1S	5.80	3.00	6.00	4.00	2.76	2.00	3.98
21J1918L2S	5.80	3.00	8.00	4.00	2.76	2.00	3.98
21J1227L1S	6.35	3.28	8.00	6.00	3.95	2.00	3.75
21J1227L2S	6.35	3.28	12.00	6.00	3.95	2.00	3.75
21J1874L1S	7.70	3.98	9.00	7.00	4.09	2.00	5.00
21J1874L2S	7.70	3.98	14.00	7.00	4.09	2.00	5.00
21J1822L1S	9.70	5.01	12.00	10.00	6.69	2.00	5.29
21J1822L2S	9.70	5.01	20.00	10.00	6.69	2.00	5.29
21J1878L1S	10.00	5.17	12.00	10.00	5.88	2.00	6.12
21J1878L2S	10.00	5.17	20.00	10.00	5.88	2.00	6.12
21J1942L1S	12.70	6.56	12.00	10.00	4.31	2.00	9.86
21J1942L2S	12.70	6.56	20.00	10.00	4.31	2.00	9.86
21J1805L1S	12.70	6.56	15.00	13.00	7.67	2.00	7.64
21J1805L2S	12.70	6.56	26.00	13.00	7.67	2.00	7.64
21J1909L1S	13.70	7.08	15.00	13.00	6.27	2.00	9.57
21J1909L2S	13.70	7.08	26.00	13.00	6.27	2.00	9.57
21J1636L1S	15.00	7.75	12.00	10.00	3.82	2.00	12.48
21J1636L2S	15.00	7.75	20.00	10.00	3.82	2.00	12.48
21J1095L1S	19.00	9.82	18.00	16.00	6.13	2.00	14.96
21J1095L2S	19.00	9.82	32.00	16.00	6.13	2.00	14.96
21J1155L1S	19.70	10.18	18.00	16.00	5.88	2.00	15.82
21J1155L2S	19.70	10.18	32.00	16.00	5.88	2.00	15.82
21J1960L1S	20.00	10.34	12.00	10.00	3.29	2.00	17.83
21J1960L2S	20.00	10.34	20.00	10.00	3.29	2.00	17.83
21J1328L1S	20.00	10.34	17.00	15.00	5.22	2.00	16.56
21J1328L2S	20.00	10.34	30.00	15.00	5.22	2.00	16.56
21J1638L1S	22.20	11.47	15.00	12.50	3.85	2.00	19.66
21J1638L2S	22.20	11.47	25.00	12.50	3.85	2.00	19.66
21J1810L1S	25.00	12.92	12.00	10.00	3.00	2.00	23.02
21J1810L2S	25.00	12.92	20.00	10.00	3.00	2.00	23.02
21J1075L1S	25.00	12.92	22.00	20.00	6.74	2.00	20.56
21J1075L2S	25.00	12.92	40.00	20.00	6.74	2.00	20.56
21J1014L1S	25.40	13.13	18.00	16.00	4.72	2.00	22.29
21J1014L2S	25.40	13.13	32.00	16.00	4.72	2.00	22.29
21J1622L1S	25.40	13.13	28.00	25.40	11.82	2.00	17.61
21J1622L2S	25.40	13.13	51.00	25.40	11.82	2.00	17.61
21J1212L1S	30.00	15.50	22.00	20.00	5.65	2.00	26.28

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter

技术参数 TECHSPEC							
编号 No.	有效焦距 EFL(mm)	曲率半径 R(mm)	长度 L(mm)	宽度 H(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后焦距 BFL(mm)
21J1212L2S	30.00	15.50	40.00	20.00	5.65	2.00	26.28
21J1765L1S	38.10	19.69	28.00	25.40	6.64	2.00	33.72
21J1765L2S	38.10	19.69	51.00	25.40	6.64	2.00	33.72
21J1402L1S	40.00	20.67	12.00	10.00	2.61	2.00	38.28
21J1402L2S	40.00	20.67	20.00	10.00	2.61	2.00	38.28
21J1125L1S	40.00	20.67	22.00	20.00	4.57	2.00	36.99
21J1125L2S	40.00	20.67	40.00	20.00	4.57	2.00	36.99
21J1821L1S	50.00	25.84	22.00	20.00	4.01	2.00	47.36
21J1821L2S	50.00	25.84	40.00	20.00	4.01	2.00	47.36
21J1695L1S	50.00	25.84	32.00	30.00	6.80	2.00	45.52
21J1695L2S	50.00	25.84	60.00	30.00	6.80	2.00	45.52
21J1728L1S	50.80	26.25	53.00	50.80	21.62	2.00	36.55
21J1728L2S	50.80	26.25	90.00	50.80	21.62	2.00	36.55
21J1430L1S	60.00	31.01	32.00	30.00	5.87	2.00	56.13
21J1430L2S	60.00	31.01	60.00	30.00	5.87	2.00	56.13
21J1036L1S	60.00	31.01	62.00	60.00	25.18	2.00	43.40
21J1036L2S	60.00	31.01	95.00	60.00	25.18	2.00	43.40
21J1993L1S	62.90	32.51	53.00	50.80	14.22	2.00	53.52
21J1993L2S	62.90	32.51	95.00	50.80	14.22	2.00	53.52
21J1477L1S	70.00	36.18	32.00	30.00	5.25	2.00	66.54
21J1477L2S	70.00	36.18	60.00	30.00	5.25	2.00	66.54
21J1703L1S	75.00	38.76	53.00	50.80	11.48	2.00	67.43
21J1703L2S	75.00	38.76	95.00	50.80	11.48	2.00	67.43
21J1054L1S	75.60	39.07	28.00	25.40	5.12	3.00	72.22
21J1054L2S	75.60	39.07	51.00	25.40	5.12	3.00	72.22
21J1258L1S	75.60	39.07	53.00	50.80	12.38	3.00	67.44
21J1258L2S	75.60	39.07	95.00	50.80	12.38	3.00	67.44
21J1105L1S	80.00	41.34	22.00	20.00	4.22	3.00	77.22
21J1105L2S	80.00	41.34	40.00	20.00	4.22	3.00	77.22
21J1520L1S	80.00	41.34	82.00	80.00	33.89	3.00	57.66
21J1520L2S	80.00	41.34	145.00	80.00	33.89	3.00	57.66
21J1567L1S	100.00	51.68	32.00	30.00	5.22	3.00	96.56
21J1567L2S	100.00	51.68	60.00	30.00	5.22	3.00	96.56
21J1268L1S	100.00	51.68	90.00	100.00	41.63	3.00	72.55
21J1268L2S	100.00	51.68	145.00	100.00	41.63	3.00	72.55
21J1640L1S	130.00	67.18	32.00	30.00	4.69	3.00	126.91
21J1640L2S	130.00	67.18	60.00	30.00	4.69	3.00	126.91
21J1934L1S	150.00	77.52	22.00	20.00	3.64	3.00	147.60
21J1934L2S	150.00	77.52	40.00	20.00	3.64	3.00	147.60
21J1629L1S	150.00	77.52	32.00	30.00	4.46	3.00	147.06
21J1629L2S	150.00	77.52	60.00	30.00	4.46	3.00	147.06
21J1895L1S	150.00	77.52	90.00	100.00	21.28	3.00	135.97
21J1895L2S	150.00	77.52	145.00	100.00	21.28	3.00	135.97
21J1653L1S	200.00	103.36	32.00	30.00	4.09	3.00	197.30
21J1653L2S	200.00	103.36	60.00	30.00	4.09	3.00	197.30
21J1309L1S	200.00	103.36	90.00	100.00	15.89	3.00	189.52
21J1309L2S	200.00	103.36	145.00	100.00	15.89	3.00	189.52
21J1277L1S	250.00	129.20	22.00	20.00	3.38	3.00	247.77
21J1277L2S	250.00	129.20	40.00	20.00	3.38	3.00	247.77
21J1267L1S	250.00	129.20	62.00	60.00	6.53	3.00	245.69
21J1267L2S	250.00	129.20	95.00	60.00	6.53	3.00	245.69
21J1558L1S	300.00	155.04	32.00	30.00	3.72	3.00	297.55
21J1558L2S	300.00	155.04	60.00	30.00	3.72	3.00	297.55
21J1996L1S	300.00	155.04	62.00	60.00	5.93	3.00	296.09
21J1996L2S	300.00	155.04	95.00	60.00	5.93	3.00	296.09
21J1363L1S	400.00	206.72	32.00	30.00	3.54	3.00	397.67
21J1363L2S	400.00	206.72	60.00	30.00	3.54	3.00	397.67
21J1144L1S	500.00	258.40	32.00	30.00	3.43	3.00	497.74
21J1144L2S	500.00	258.40	60.00	30.00	3.43	3.00	497.74
21J1836L1S	700.00	361.76	32.00	30.00	3.31	3.00	697.82
21J1836L2S	700.00	361.76	60.00	30.00	3.31	3.00	697.82
21J1516L1S	1000.00	516.80	32.00	30.00	3.21	3.00	997.88
21J1516L2S	1000.00	516.80	60.00	30.00	3.21	3.00	997.88

Spherical Lens

Cylindrical Lens

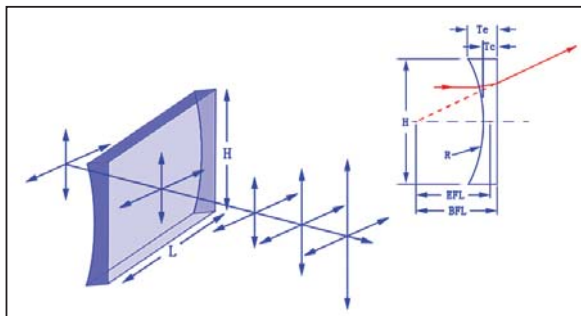
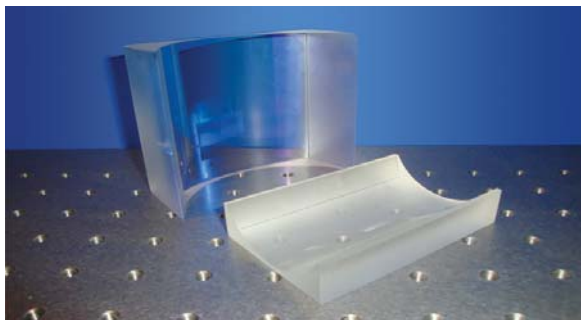
Prisms

Windows

Mirrors

Coating

Filter



特 性 Specification		
材 料	Material	H-K9L(Schott BK7)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Dimension Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	$\lambda/2@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm

技术参数 TECHSPEC							
编 号 No.	有效焦距 EFL(mm)	曲率半径 R(mm)	长 度 L(mm)	宽 度 H(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后 焦 距 BFL(mm)
21K1395L1S	-3.90	-2.02	6.00	4.00	2.00	2.70	-5.22
21K1395L2S	-3.90	-2.02	8.00	4.00	2.00	2.70	-5.22
21K1597L1S	-4.00	-2.07	6.00	4.00	2.00	2.60	-5.32
21K1597L2S	-4.00	-2.07	8.00	4.00	2.00	2.60	-5.32
21K1523L1S	-5.80	-3.00	6.00	4.00	2.00	2.40	-7.12
21K1523L2S	-5.80	-3.00	8.00	4.00	2.00	2.40	-7.12
21K1087L1S	-6.40	-3.31	8.00	6.00	2.00	3.20	-7.72
21K1087L2S	-6.40	-3.31	12.00	6.00	2.00	3.20	-7.72
21K1363L1S	-7.70	-3.98	9.00	7.00	2.00	3.40	-9.02
21K1363L2S	-7.70	-3.98	14.00	7.00	2.00	3.40	-9.02
21K1836L1S	-9.70	-5.01	12.00	10.00	2.00	4.80	-11.02
21K1836L2S	-9.70	-5.01	20.00	10.00	2.00	4.80	-11.02
21K1684L1S	-12.70	-6.56	12.00	10.00	2.00	3.80	-14.02
21K1684L2S	-12.70	-6.56	20.00	10.00	2.00	3.80	-14.02
21K1816L1S	-13.70	-7.08	15.00	13.00	2.00	5.30	-15.02
21K1816L2S	-13.70	-7.08	26.00	13.00	2.00	5.30	-15.02
21K1753L1S	-15.00	-7.75	12.00	10.00	2.00	3.40	-16.32
21K1753L2S	-15.00	-7.75	20.00	10.00	2.00	3.40	-16.32
21K1037L1S	-19.00	-9.82	21.00	19.00	2.00	7.90	-20.32
21K1037L2S	-19.00	-9.82	38.00	19.00	2.00	7.90	-20.32
21K1085L1S	-20.00	-10.34	17.00	15.00	2.00	4.70	-21.32
21K1085L2S	-20.00	-10.34	30.00	15.00	2.00	4.70	-21.32
21K1006L1S	-22.20	-11.47	15.00	12.50	2.00	3.50	-23.52
21K1006L2S	-22.20	-11.47	25.00	12.50	2.00	3.50	-23.52
21K1426L1S	-25.00	-12.92	12.00	10.00	2.00	2.80	-26.32
21K1426L2S	-25.00	-12.92	20.00	10.00	2.00	2.80	-26.32
21K1900L1S	-25.40	-13.13	18.00	16.00	2.00	4.40	-26.72
21K1900L2S	-25.40	-13.13	32.00	16.00	2.00	4.40	-26.72
21K1787L1S	-25.40	-13.13	28.00	25.40	2.00	10.30	-26.72
21K1787L2S	-25.40	-13.13	51.00	25.40	2.00	10.30	-26.72
21K1982L1S	-30.00	-15.50	22.00	20.00	2.00	5.30	-31.32
21K1982L2S	-30.00	-15.50	40.00	20.00	2.00	5.30	-31.32
21K1325L1S	-38.10	-19.69	28.00	26.00	2.00	6.50	-39.42
21K1325L2S	-38.10	-19.69	52.00	26.00	2.00	6.50	-39.42
21K1283L1S	-40.00	-20.67	12.00	10.00	2.00	2.50	-41.32

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter

技术参数 TECHSPEC

编号 No.	有效焦距 EFL(mm)	曲率半径 R(mm)	长度 L(mm)	宽度 H(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后焦距 BFL(mm)
21K1283L2S	-40.00	-20.67	20.00	10.00	2.00	2.50	-41.32
21K1662L1S	-50.00	-25.84	22.00	20.00	2.00	3.80	-51.32
21K1662L2S	-50.00	-25.84	40.00	20.00	2.00	3.80	-51.32
21K1336L1S	-50.00	-25.84	32.00	30.00	2.00	6.50	-51.32
21K1336L2S	-50.00	-25.84	60.00	30.00	2.00	6.50	-51.32
21K1792L1S	-50.80	-26.25	53.00	50.80	2.00	19.90	-52.12
21K1792L2S	-50.80	-26.25	90.00	50.80	2.00	19.90	-52.12
21K1995L1S	-60.00	-31.01	32.00	30.00	2.00	5.60	-61.32
21K1995L2S	-60.00	-31.01	60.00	30.00	2.00	5.60	-61.32
21K1015L1S	-60.00	-31.01	62.00	60.00	2.00	23.50	-61.32
21K1015L2S	-60.00	-31.01	95.00	60.00	2.00	23.50	-61.32
21K1216L1S	-62.90	-32.51	53.00	50.80	2.00	13.60	-64.22
21K1216L2S	-62.90	-32.51	95.00	50.80	2.00	13.60	-64.22
21K1913L1S	-70.00	-36.18	32.00	30.00	2.00	5.00	-71.32
21K1913L2S	-70.00	-36.18	60.00	30.00	2.00	5.00	-71.32
21K1431L1S	-75.00	-38.76	53.00	50.80	2.00	11.10	-76.32
21K1431L2S	-75.00	-38.76	90.00	50.80	2.00	11.10	-76.32
21K1689L1S	-75.60	-39.07	53.00	50.80	3.00	12.00	-77.58
21K1689L2S	-75.60	-39.07	90.00	50.80	3.00	12.00	-77.58
21K1526L1S	-80.00	-41.34	22.00	20.00	3.00	4.10	-81.98
21K1526L2S	-80.00	-41.34	40.00	20.00	3.00	4.10	-81.98
21K1310L1S	-80.00	-41.34	82.00	80.00	3.00	32.10	-81.98
21K1310L2S	-80.00	-41.34	145.00	80.00	3.00	32.10	-81.98
21K1743L1S	-100.00	-51.68	32.00	30.00	3.00	5.10	-101.98
21K1743L2S	-100.00	-51.68	60.00	30.00	3.00	5.10	-101.98
21K1936L1S	-100.00	-51.68	90.00	100.00	3.00	39.90	-101.98
21K1936L2S	-100.00	-51.68	145.00	100.00	3.00	39.90	-101.98
21K1819L1S	-130.00	-67.18	32.00	30.00	3.00	4.60	-131.98
21K1819L2S	-130.00	-67.18	60.00	30.00	3.00	4.60	-131.98
21K1419L1S	-150.00	-77.52	32.00	30.00	3.00	4.40	-151.98
21K1419L2S	-150.00	-77.52	60.00	30.00	3.00	4.40	-151.98
21K1956L1S	-150.00	-77.52	90.00	100.00	3.00	20.90	-151.98
21K1956L2S	-150.00	-77.52	145.00	100.00	3.00	20.90	-151.98
21K1069L1S	-200.00	-103.36	32.00	30.00	3.00	4.00	-201.98
21K1069L2S	-200.00	-103.36	60.00	30.00	3.00	4.00	-201.98
21K1115L1S	-200.00	-103.36	90.00	100.00	3.00	15.60	-201.98
21K1115L2S	-200.00	-103.36	145.00	100.00	3.00	15.60	-201.98
21K1030L1S	-250.00	-129.20	32.00	30.00	3.00	3.80	-251.98
21K1030L2S	-250.00	-129.20	60.00	30.00	3.00	3.80	-251.98
21K1984L1S	-300.00	-155.04	62.00	60.00	3.00	5.80	-301.98
21K1984L2S	-300.00	-155.04	95.00	60.00	3.00	5.80	-301.98
21K1487L1S	-400.00	-206.72	32.00	30.00	3.00	3.50	-401.98
21K1487L2S	-400.00	-206.72	60.00	30.00	3.00	3.50	-401.98
21K1281L1S	-500.00	-258.40	32.00	30.00	3.00	3.40	-501.98
21K1281L2S	-500.00	-258.40	60.00	30.00	3.00	3.40	-501.98
21K1220L1S	-700.00	-361.76	32.00	30.00	3.00	3.30	-701.98
21K1220L2S	-700.00	-361.76	60.00	30.00	3.00	3.30	-701.98
21K1002L1S	-1000.00	-516.80	32.00	30.00	3.00	3.20	-1001.98
21K1002L2S	-1000.00	-516.80	60.00	30.00	3.00	3.20	-1001.98

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

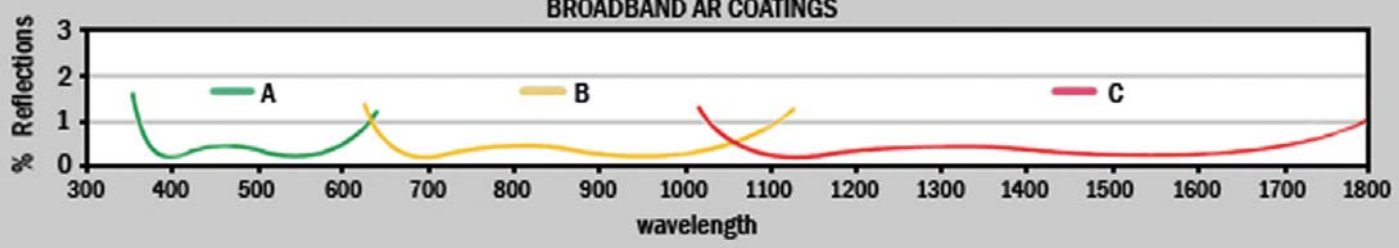
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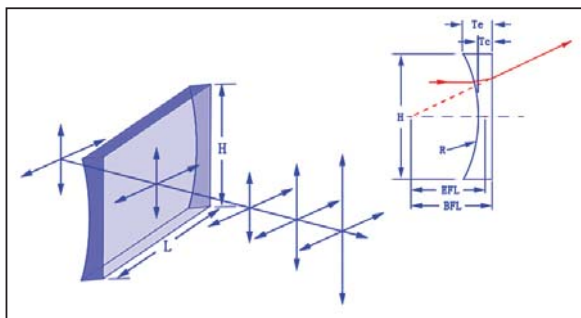
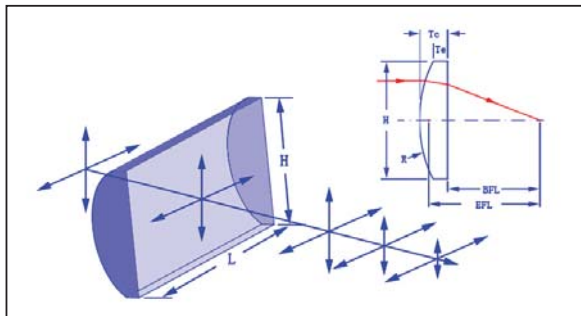
A - Coating: 350 -- 650nm

B - Coating: 650--1050nm

C - Coating: 1050 -- 1580nm

BROADBAND AR COATINGS

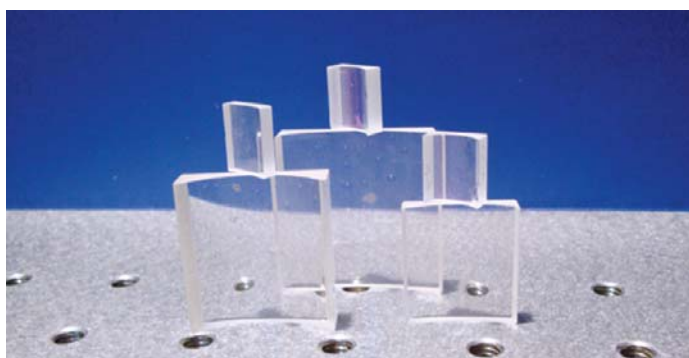
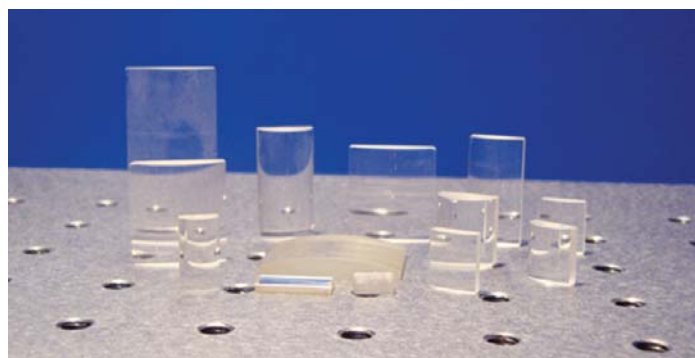




特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Dimension Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	$\lambda/2@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	UV AR Coating 290nm--370nm

紫外熔石英平凸柱面透镜 UV-Grade Fused Silica Plano-Convex Cylindrical Lenses							技术参数 TECHSPEC	
编 号 No.	有效焦距 EFL(mm)	曲率半径 R(mm)	长 度 L(mm)	宽 度 H(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后 焦 距 BFL(mm)	
22J4359S	8.00	3.67	11.00	7.20	4.90	2.00	4.64	
22J4918S	10.00	4.58	14.00	9.00	5.60	2.00	6.16	
22J4748S	12.70	5.82	15.00	10.00	4.80	2.00	9.41	
22J4794S	25.00	11.46	15.00	10.00	3.10	2.00	22.87	
22J4862S	25.00	11.46	23.00	15.00	4.80	2.00	21.71	
22J4426S	25.00	11.46	30.00	20.00	7.80	2.00	19.65	
22J4107S	25.40	11.65	35.00	23.00	11.60	2.00	17.45	
22J4305S	30.00	13.75	30.00	20.00	6.30	2.00	25.68	
22J4878S	75.00	34.38	30.00	20.00	3.50	2.00	72.60	
22J4395S	100.00	45.85	45.00	30.00	5.50	3.00	96.23	
22J4147S	500.00	229.25	45.00	30.00	3.50	3.00	497.60	

紫外熔石英平凹柱面透镜 UV-Grade Fused Silica Plano-Concave Cylindrical Lenses							技术参数 TECHSPEC	
编 号 No.	有效焦距 EFL(mm)	曲率半径 R(mm)	长 度 L(mm)	宽 度 H(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后 焦 距 BFL(mm)	
22K4351S	-8.00	-3.67	11.00	7.20	2.00	4.90	-9.37	
22K4372S	-10.00	-4.58	14.00	9.00	2.00	5.60	-11.37	
22K4155S	-12.70	-5.82	15.00	10.00	2.00	4.80	-14.07	
22K4836S	-25.00	-11.46	15.00	10.00	2.00	3.10	-26.37	
22K4326S	-25.00	-11.46	23.00	15.00	2.00	4.80	-26.37	
22K4767S	-25.00	-11.46	30.00	20.00	2.00	7.80	-26.37	
22K4498S	-25.40	-11.65	33.00	22.00	2.00	9.70	-26.77	
22K4166S	-30.00	-13.75	30.00	20.00	2.00	6.30	-31.37	
22K4385S	-75.00	-34.39	30.00	20.00	2.00	3.50	-76.37	
22K4245S	-100.00	-45.85	45.00	30.00	3.00	5.50	-102.06	
22K4989S	-500.00	-229.25	45.00	30.00	3.00	3.50	-502.06	



Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

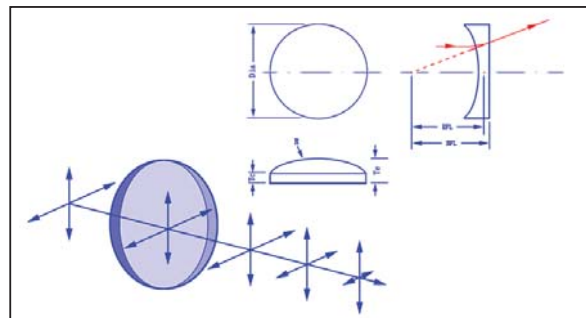
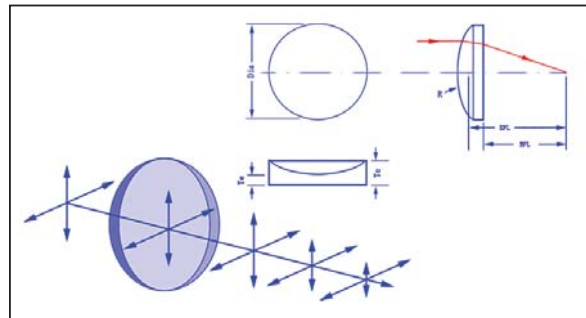
Coating

Filter



特性 Specification

材料	Material	H-K9L (Schott BK7)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面型	Surface Accuracy	$\lambda/2@632.8\text{nm}$
光洁度	Surface Quality	60-40
偏心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒边	Bevelling	<0.2×45°
镀膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm



Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

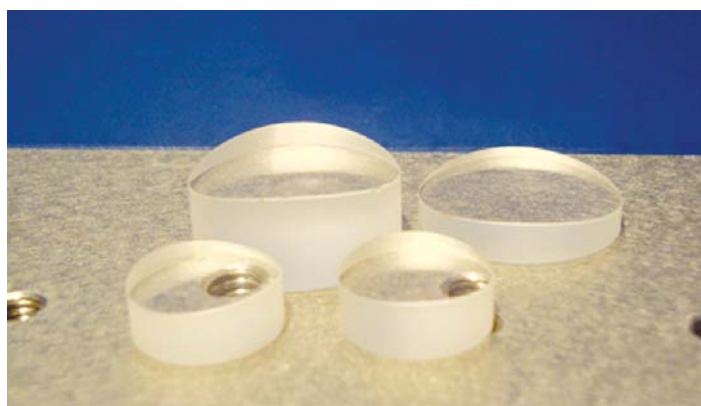
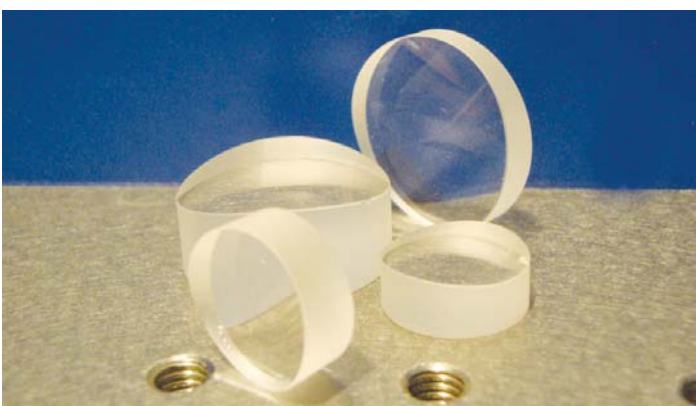
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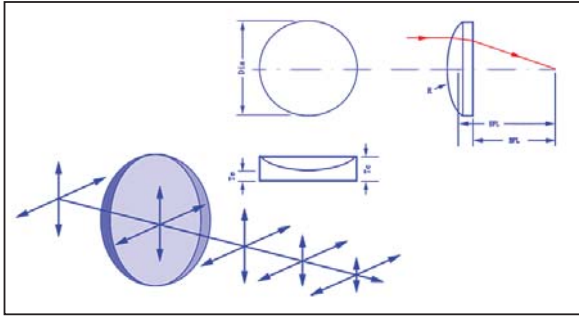
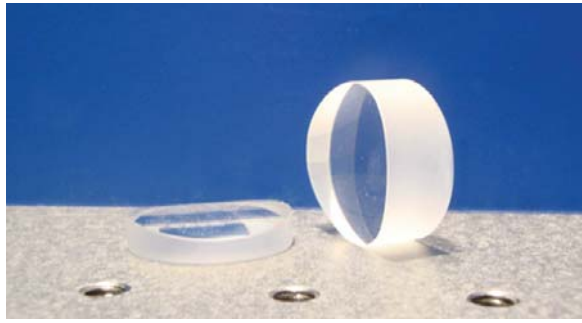
H-K9L平凸圆柱面透镜 Round Plano-Convex Cylindrical Lenses 技术参数 TECHSPEC

编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后焦距 BFL(mm)
21J1695RM	50.00	25.40	25.84	6.80	3.46	45.52
21J1703RM	75.00	25.40	38.76	11.48	9.34	67.43
21J1567RM	100.00	25.40	51.68	5.22	3.64	96.56
21J1629RM	150.00	25.40	77.52	4.46	3.41	147.06
21J1653RM	200.00	25.40	103.36	4.09	3.31	197.30
21J1267RM	250.00	25.40	129.20	6.53	5.90	245.69
21J1558RM	300.00	25.40	155.04	3.72	3.23	297.55
21J1363RM	400.00	25.40	206.72	3.54	3.15	397.67
21J1144RM	500.00	25.40	258.40	3.43	3.12	497.74
21J1516RM	1000.00	25.40	516.80	3.21	3.05	997.88

H-K9L平凹圆柱面透镜 Round Plano-Concave Cylindrical Lenses 技术参数 TECHSPEC

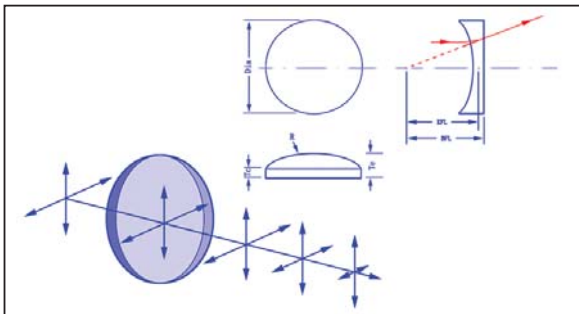
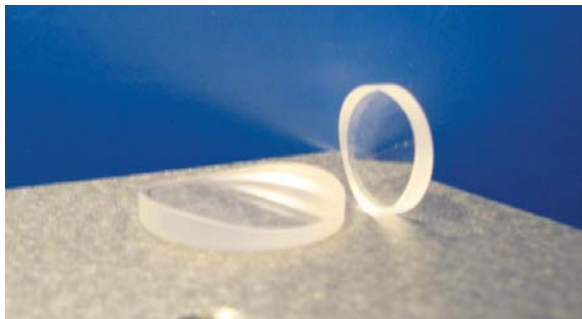
编号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后焦距 BFL(mm)
21K1336RM	-50.00	25.40	-25.84	2.00	5.34	-51.32
21K1431RM	-75.00	25.40	-38.76	2.00	4.14	-76.32
21K1743RM	-100.00	25.40	-51.68	3.00	4.58	-101.98
21K1419RM	-150.00	25.40	-77.52	3.00	4.05	-151.98
21K1069RM	-200.00	25.40	-103.36	3.00	3.78	-201.98
21K1030RM	-250.00	25.40	-129.20	3.00	3.63	-251.98
21K1487RM	-400.00	25.40	-206.72	3.00	3.39	-401.98
21K1002RM	-1000.00	25.40	-516.80	3.00	3.16	-1001.98





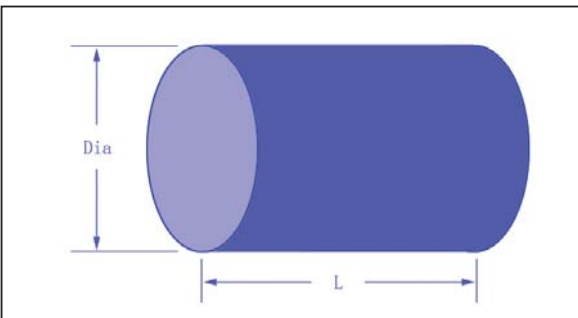
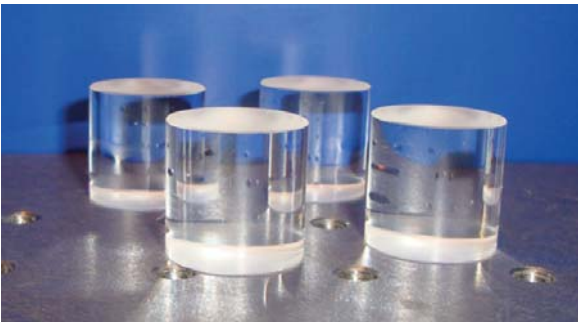
特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	$\lambda/2@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	UV AR Coating 290nm--370nm

技术参数 TECHSPEC						
编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后 焦 距 BFL(mm)
22J4305RM	30.00	25.40	13.75	10.50	2.00	22.80
22J4878RM	75.00	25.40	34.39	4.40	2.00	71.98
22J4395RM	100.00	25.40	45.85	4.80	3.00	96.71
22J4147RM	500.00	25.40	229.25	3.40	3.00	497.67



特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
设计波长	Design Wavelength	587.6nm
焦距公差	Focal Length Tolerance	±1%
外型公差	Diameter Tolerance	+0.0/-0.1mm
厚度公差	Thickness Tolerance	±0.2mm
面 型	Surface Accuracy	$\lambda/2@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
偏 心	Centration	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	UV AR Coating 290nm--370nm

技术参数 TECHSPEC						
编 号 No.	有效焦距 EFL(mm)	外圆直径 Dia(mm)	曲率半径 R(mm)	中心厚度 Tc(mm)	边缘厚度 Te(mm)	后 焦 距 BFL(mm)
22K4166RM	-30.00	25.40	-13.75	2.00	10.50	-31.37
22K4385RM	-75.00	25.40	-34.39	2.00	4.40	-76.37
22K4245RM	-100.00	25.40	-45.85	3.00	4.80	-102.06
22K4989RM	-500.00	25.40	-229.25	3.40	3.40	-502.06



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Diameter Tolerance	±0.01mm
面 型	Surface Accuracy	Free
光 洁 度	Surface Quality	60-40
椭 圆 度	Ellipticity	<0.005mm
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	None

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

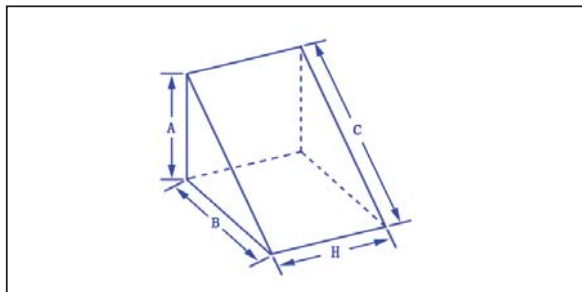
Filter

技术参数 TECHSPEC

编 号 No.	外圆直径 Dia(mm)	长 度 L(mm)
21H0102R	1.00	2.00
21H0204R	2.00	4.00
21H0306R	3.00	6.00
21H0310R	3.00	10.00
21H0408R	4.00	8.00
21H0510R	5.00	10.00
21H0515R	5.00	15.00
21H0520R	5.00	20.00
21H0610R	6.00	10.00
21H0615R	6.00	15.00
21H0620R	6.00	20.00
21H0710R	7.00	10.00
21H0715R	7.00	15.00
21H0720R	7.00	20.00
21H0815R	8.00	15.00
21H0820R	8.00	20.00
21H0915R	9.00	15.00
21H0920R	9.00	20.00
21H1015R	10.00	15.00
21H1020R	10.00	20.00
21H1515R	15.00	15.00
21H1520R	15.00	20.00
21H2020R	20.00	20.00

球面透镜组 详见13页 柱面透镜组 详见21页 光学棱镜组 详见26页 吸收式长通滤光片组 详见56页

H-K9L直角棱镜 BK7 Right Angle Prisms

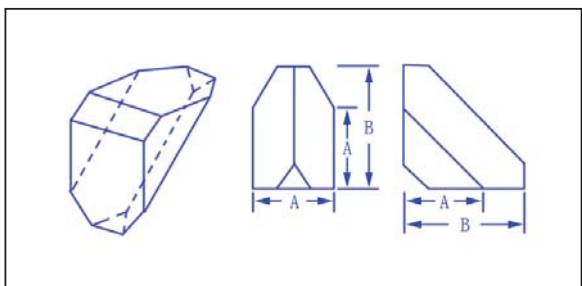


特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Dimension Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/10@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
角度公差	Angular Tolerance	±3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编 号 No.	直角边 A=B(mm)	斜 边 C(mm)	厚 度 H(mm)
41L905	3.00	4.24	3.00
41L909	5.00	7.07	5.00
41L910	10.00	14.14	10.00
41L908	20.00	28.28	20.00
41L911	25.00	35.35	25.00
41L912	40.00	56.57	40.00
41L913	60.00	84.85	60.00

H-K9L屋脊棱镜 BK7 Roof Prisms



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Dimension Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
角度公差	Angular Tolerance	±3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编 号 No.	边 长 A(mm)	边 长 B(mm)
41R951	18.00	23.00

Spherical Lens

Cylindrical Lens

Prisms

Windows

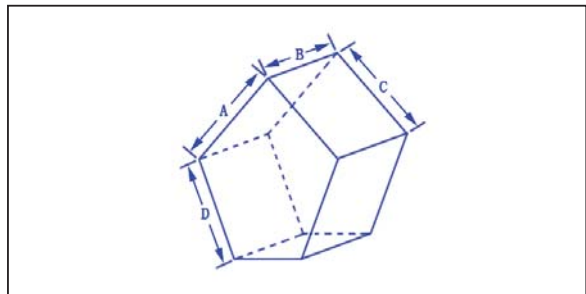
Mirrors

Coating

Filter



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Dimension Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
角度公差	Angular Tolerance	±3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	$<0.2 \times 45^\circ$
镀 膜	Coating	Custom Design



Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

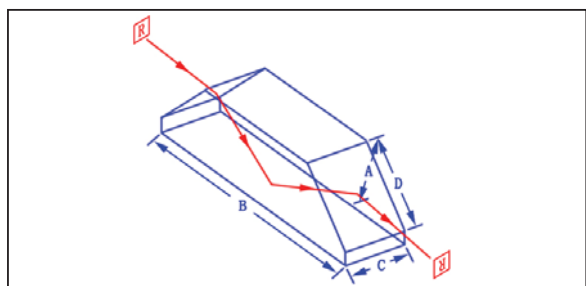
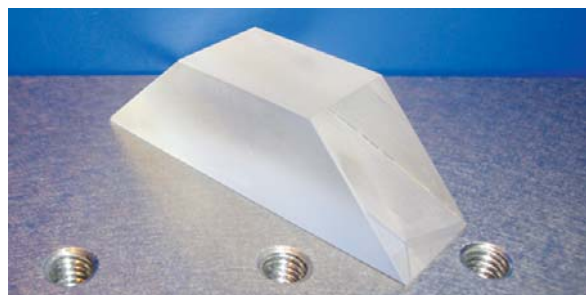
Coating

Filter

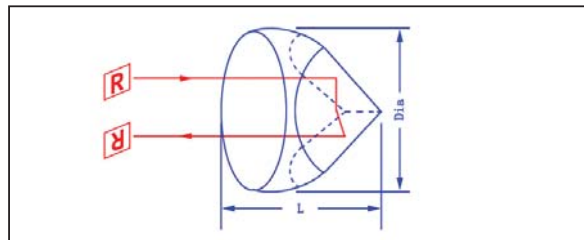
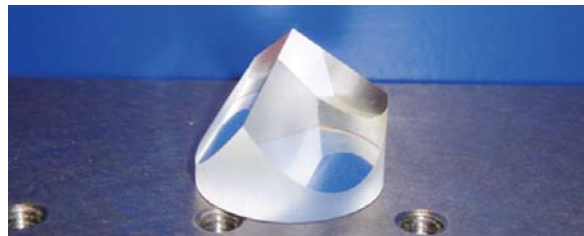
技术参数 TECHSPEC		
编 号 No.	边 长 A=B=C(mm)	边 长 D(mm)
41P931	10.00	14.14
41P932	20.00	28.28
41P933	40.00	56.57
41P934	60.00	84.85



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Dimension Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
角度公差	Angular Tolerance	±3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	$<0.2 \times 45^\circ$
镀 膜	Coating	Custom Design



技术参数 TECHSPEC			
编 号 No.	边 长 A=C(mm)	边 长 B(mm)	边 长 D(mm)
41Q990	5.00	21.21	7.07
41Q991	10.00	42.42	14.14
41Q992	15.00	63.63	21.21
41Q993	30.00	127.26	42.42

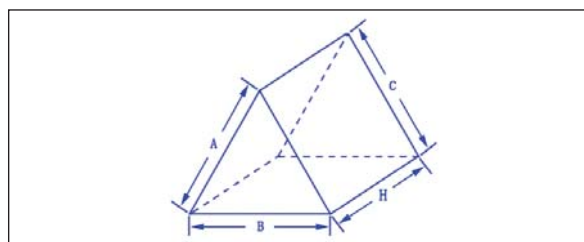


特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Diameter Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
角度公差	Angular Tolerance	±3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编 号 No.	外型直径 Dia(mm)	长 度 L(mm)
41S970	10.00	9.00
41S971	25.40	22.00
41S973	50.00	42.00

等边棱镜 Equilateral Prisms



特 性 Specification		
外型公差	Dimension Tolerance	±0.15mm
面 型	Surface Accuracy	$\lambda/10@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
角度公差	Angular Tolerance	±3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编 号 No.	边 长 A=B=C(mm)	厚 度 H(mm)	材 料 Material
48M850	10.00	10.00	H-F4 (Schott F2)
48M851	10.00	10.00	H-ZF13 (Schott N-SF11)
48M856	15.00	15.00	H-F4 (Schott F2)
48M857	15.00	15.00	H-ZF13 (Schott N-SF11)
48M858	20.00	20.00	H-F4 (Schott F2)
48M859	20.00	20.00	H-ZF13 (Schott N-SF11)
48M852	25.00	25.00	H-F4 (Schott F2)
48M853	25.00	25.00	H-ZF13 (Schott N-SF11)
48M855	40.00	40.00	H-ZF13 (Schott N-SF11)
48M854	50.00	50.00	H-F4 (Schott F2)

Spherical Lens

Cylindrical Lens

Prisms

Windows

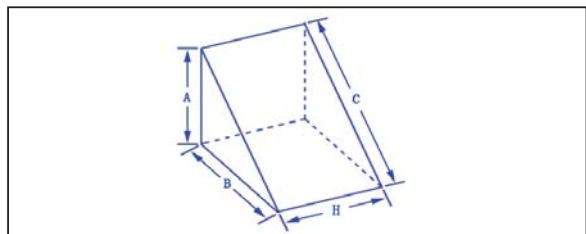
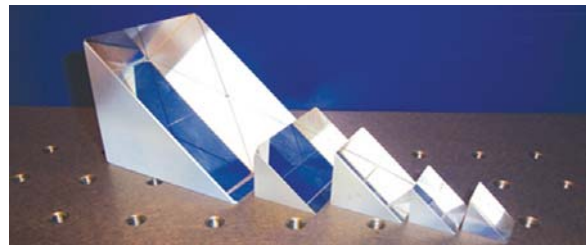
Mirrors

Coating

Filter



特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
外型公差	Dimension Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/10@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
角度公差	Angular Tolerance	±3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	$<0.2 \times 45^\circ$
镀 膜	Coating	Custom Design



Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

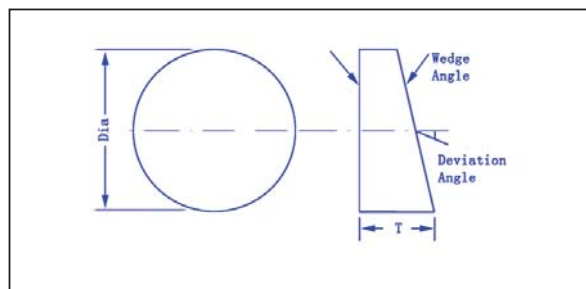
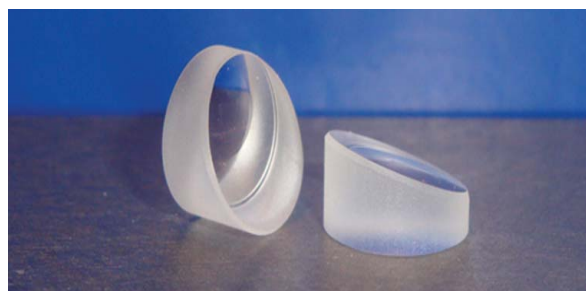
Filter

技术参数 TECHSPEC			
编 号 No.	直角边 A=B(mm)	斜 边 C(mm)	厚 度 H(mm)
42L605	3.00	4.24	3.00
42L609	5.00	7.07	5.00
42L610	10.00	14.14	10.00
42L608	20.00	28.28	20.00
42L611	25.00	35.35	25.00
42L612	40.00	56.57	40.00
42L613	60.00	84.85	60.00

H-K9L楔镜 BK7 Wedges

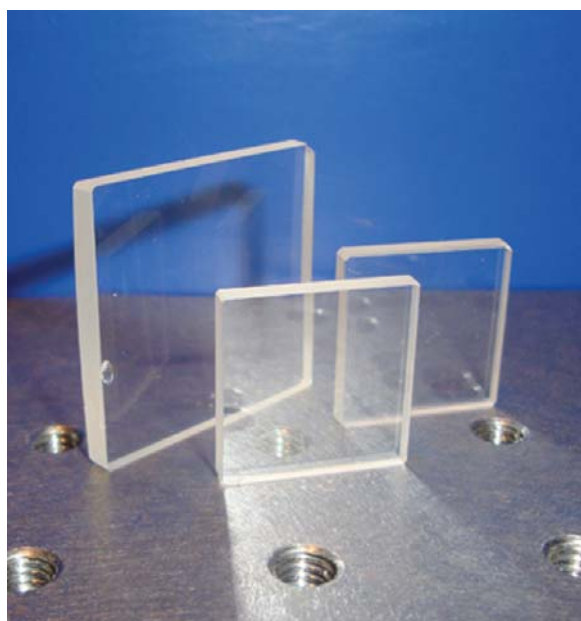
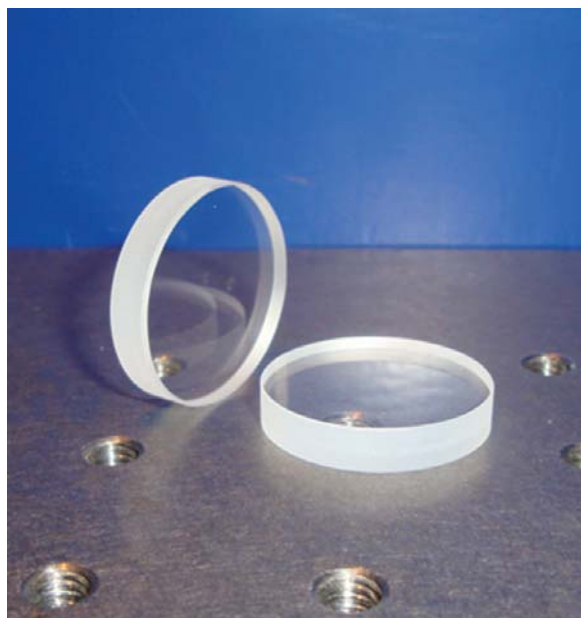
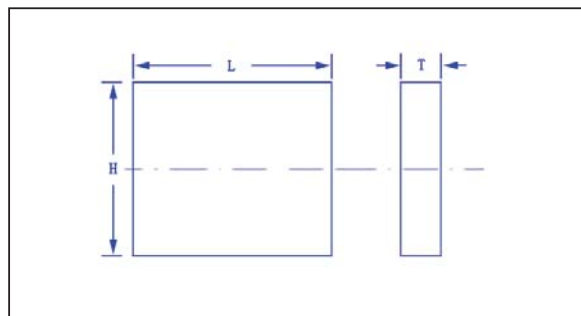
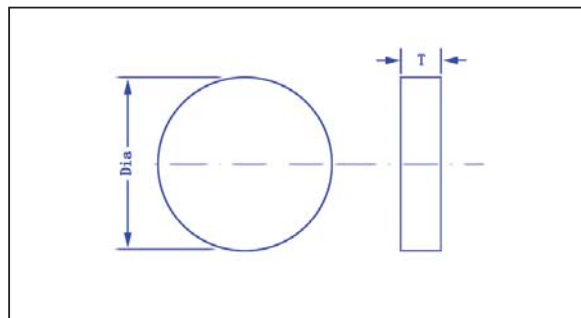


特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.15mm
面 型	Surface Accuracy	$\lambda/10@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
角度公差	Angular Tolerance	$<30''$
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	$<0.2 \times 45^\circ$
镀 膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm



技术参数 TECHSPEC				
编 号 No.	偏向角度 Deviation Angle	外圆直径 Dia(mm)	边缘厚度 T(mm)	楔面角度 Wedge Angle
41N810	2°	25.40	4.72	3° 53'
41N811	4°	25.40	6.43	7° 41'
41N812	6°	25.40	8.11	11° 22'
41N813	8°	25.40	9.74	14° 52'
41N814	10°	25.40	11.33	18° 9'

球面透镜组 详见13页 柱面透镜组 详见21页 光学棱镜组 详见26页 吸收式长通滤光片组 详见56页



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	A: AR Coating 350nm-650nm
		B: AR Coating 650nm-1050nm
		C: AR Coating 1050nm-1580nm

H-K9L圆形光学窗口 技术参数 TECHSPEC

编号 No.	外圆直径 Dia(mm)	厚度 T(mm)
31W00603R	6.00	3.00
31W01203R	12.70	3.00
31W01205R	12.70	5.00
31W01503R	15.00	3.00
31W01505R	15.00	5.00
31W02003R	20.00	3.00
31W02005R	20.00	5.00
31W02503R	25.40	3.00
31W02505R	25.40	5.00
31W03005R	30.00	5.00
31W04008R	40.00	8.00
31W05008R	50.80	8.00
31W07505R	75.00	5.00
31W07510R	75.00	10.00
31W10012R	100.00	12.00

H-K9L方形光学窗口 技术参数 TECHSPEC

编号 No.	外型尺寸 H=L(mm)	厚度 T(mm)
31W00603S	6.00	3.00
31W01203S	12.70	3.00
31W01205S	12.70	5.00
31W01503S	15.00	3.00
31W01505S	15.00	5.00
31W02003S	20.00	3.00
31W02005S	20.00	5.00
31W02503S	25.40	3.00
31W02505S	25.40	5.00
31W03005S	30.00	5.00
31W04008S	40.00	8.00
31W05008S	50.80	8.00
31W07505S	75.00	5.00
31W07510S	75.00	10.00
31W10012S	100.00	12.00

Spherical Lens

Cylindrical Lens

Prisms

Windows

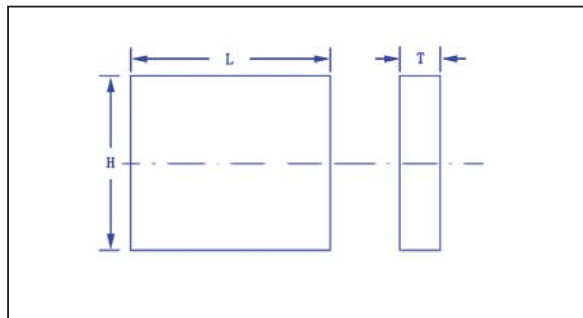
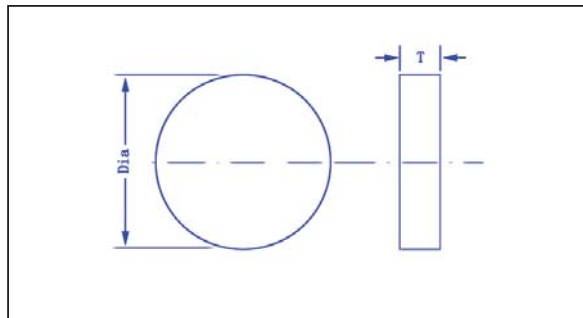
Mirrors

Coating

Filter

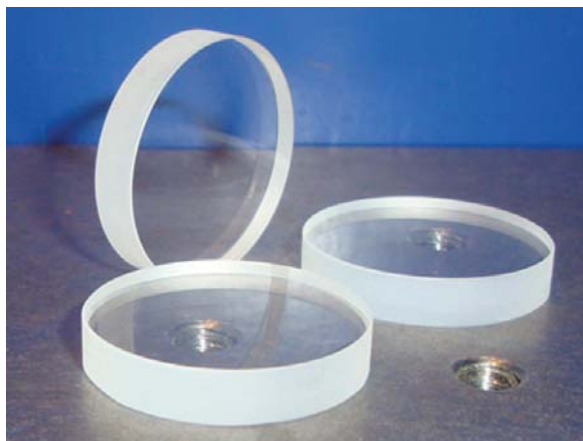


特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	UV AR Coating 290nm-370nm



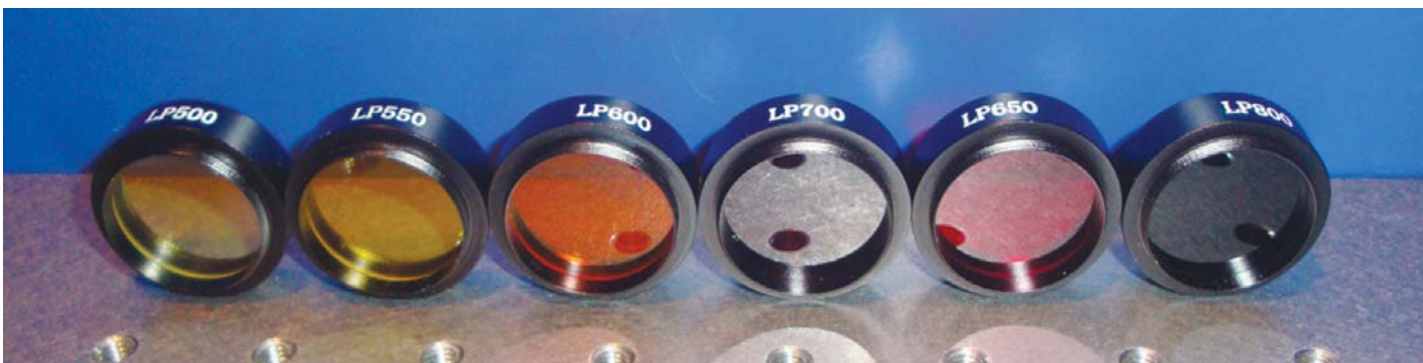
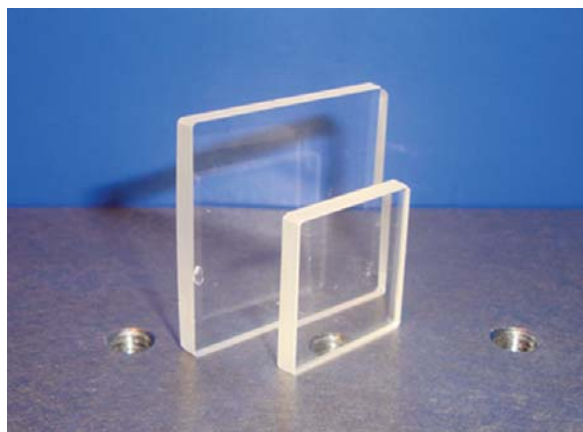
紫外熔石英圆形光学窗口 技术参数 TECHSPEC

编号 No.	外圆直径 Dia(mm)	厚度 T(mm)
32W00603R	6.00	3.00
32W01203R	12.70	3.00
32W02003R	20.00	3.00
32W02503R	25.40	3.00
32W03005R	30.00	5.00
32W04008R	40.00	5.00
32W05008R	50.80	5.00



紫外熔石英方形光学窗口 技术参数 TECHSPEC

编号 No.	外型尺寸 H=L(mm)	厚度 T(mm)
32W00603S	6.00	3.00
32W01203S	12.70	3.00
32W02003S	20.00	3.00
32W02503S	25.40	3.00
32W03005S	30.00	5.00
32W04008S	40.00	5.00
32W05008S	50.80	5.00



Spherical Lens

Cylindrical Lens

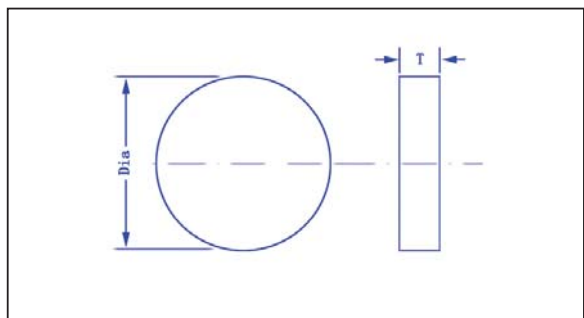
Prisms

Windows

Mirrors

Coating

Filter

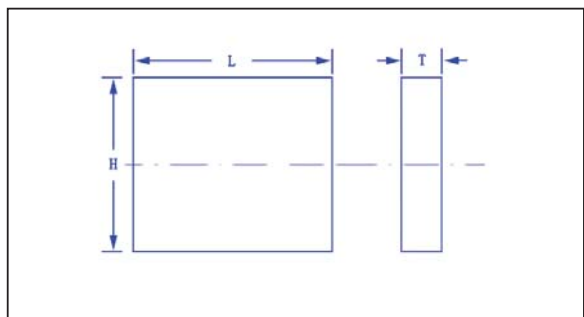
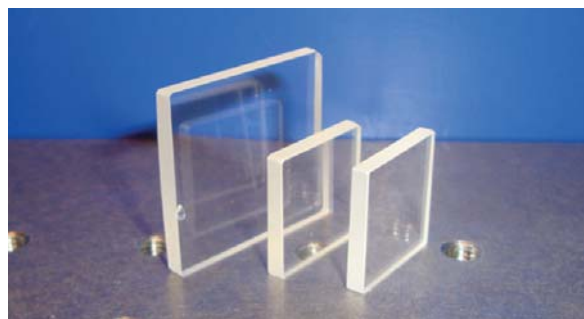


特 性 Specification		
材 料	Material	CaF ₂ (Calcium Fluoride)
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	λ/4@632.8nm
光 洁 度	Surface Quality	80-50
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编号 No.	外圆直径 Dia(mm)	厚度 T(mm)
33W01203R	12.70	3.00
33W02503R	25.40	3.00

氟化钙晶体方形光学窗口 **Calcium Fluoride Square Windows**



特 性 Specification		
材 料	Material	CaF ₂ (Calcium Fluoride)
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	λ/4@632.8nm
光 洁 度	Surface Quality	80-50
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编号 No.	外型尺寸 H=L(mm)	厚度 T(mm)
33W01203S	12.70	3.00
33W02503S	25.40	3.00

Spherical Lens

Cylindrical Lens

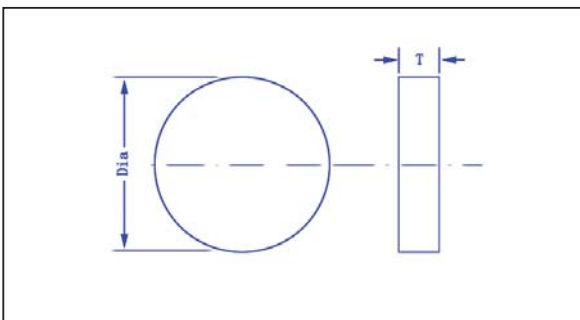
Prisms

Windows

Mirrors

Coating

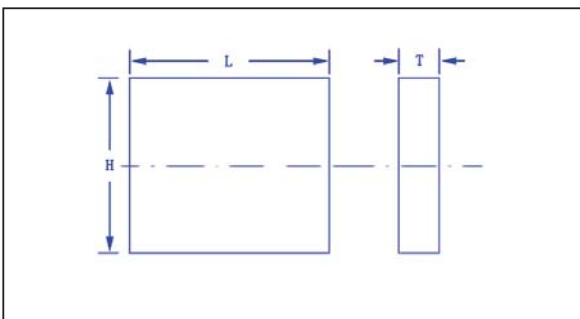
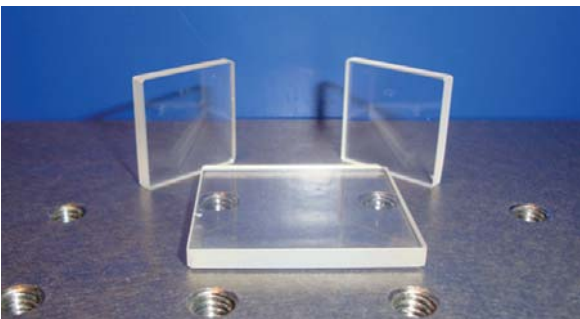
Filter



特 性 Specification		
材 料	Material	Sapphire
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/2@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
平 行 度	Parallelism	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编号 No.	外圆直径 Dia(mm)	厚度 T(mm)
37W01203R	12.70	3.00
37W02503R	25.40	3.00



特 性 Specification		
材 料	Material	Sapphire
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/2@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
平 行 度	Parallelism	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编号 No.	外型尺寸 H=L(mm)	厚度 T(mm)
37W01203S	12.70	3.00
37W02503S	25.40	3.00

Spherical Lens

Cylindrical Lens

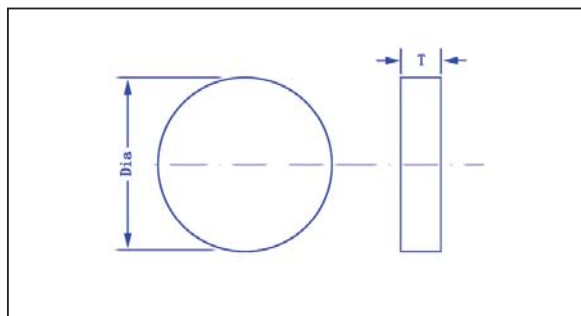
Prisms

Windows

Mirrors

Coating

Filter

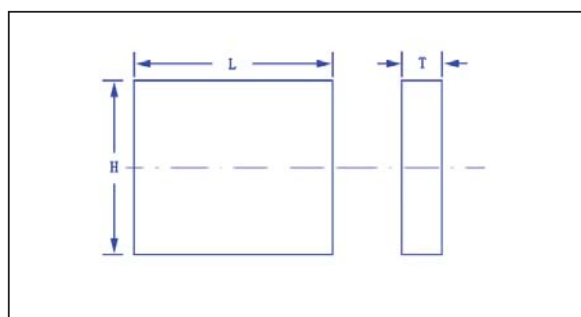
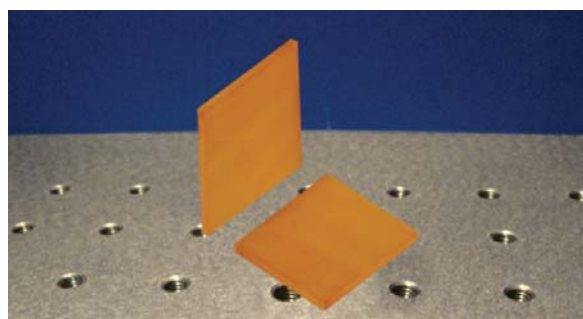


特 性 Specification		
材 料	Material	ZnSe(Zinc Selenide)
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编号 No.	外圆直径 Dia(mm)	厚度 T(mm)
34W01203R	12.70	3.00
34W02503R	25.40	3.00

碲化镉晶体方形光学窗口 ZnSe Square Windows



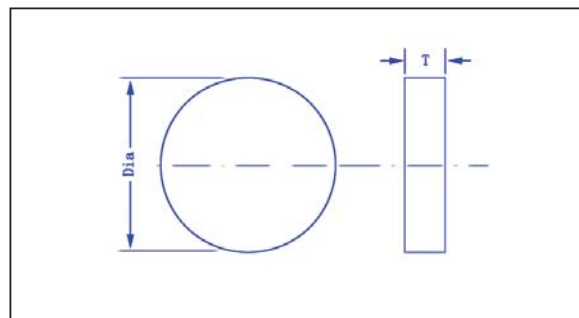
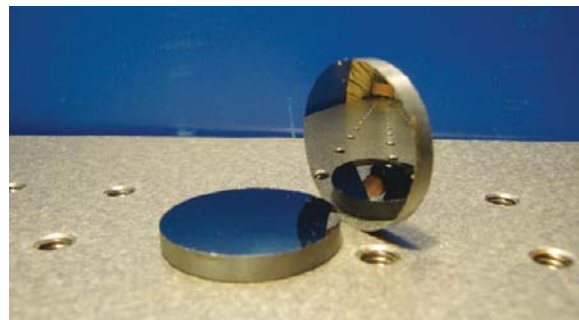
特 性 Specification		
材 料	Material	ZnSe(Zinc Selenide)
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1 mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编号 No.	外型尺寸 H=L(mm)	厚度 T(mm)
34W01203S	12.70	3.00
34W02503S	25.40	3.00



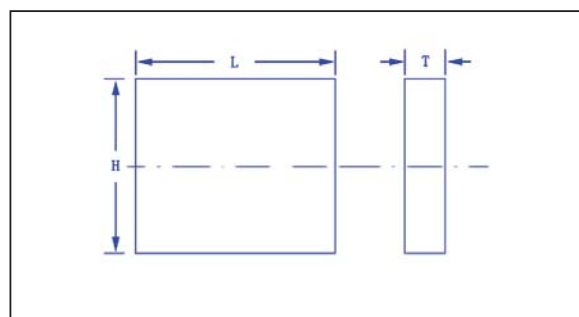
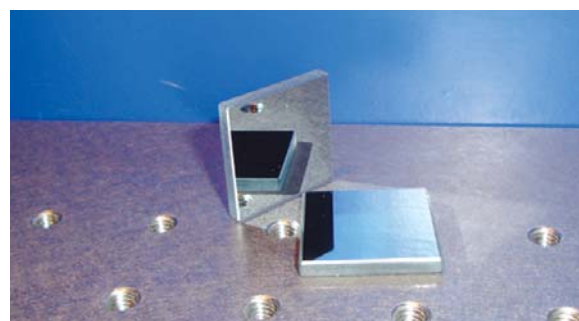
特 性 Specification		
材 料	Material	Ge(Germanium)
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design



技术参数 TECHSPEC		
编号 No.	外圆直径 Dia(mm)	厚度 T(mm)
35W01203R	12.70	3.00
35W02503R	25.40	3.00



特 性 Specification		
材 料	Material	Ge(Germanium)
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design



技术参数 TECHSPEC		
编号 No.	外型尺寸 H=L(mm)	厚度 T(mm)
35W01203S	12.70	3.00
35W02503S	25.40	3.00

Spherical Lens

Cylindrical Lens

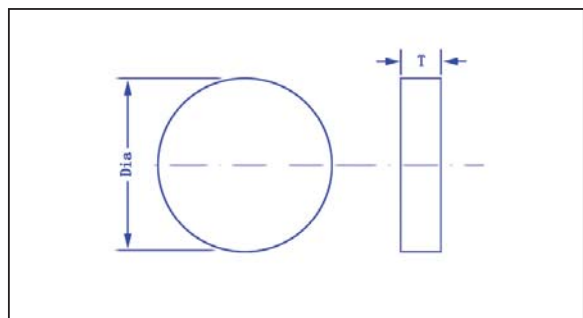
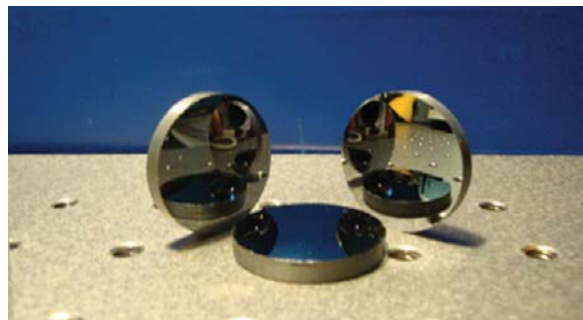
Prisms

Windows

Mirrors

Coating

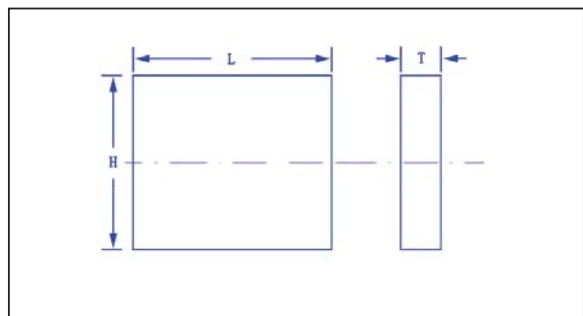
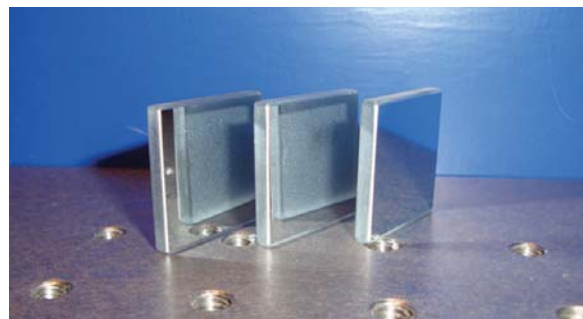
Filter



特 性 Specification		
材 料	Material	Si(Silicon)
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编号 No.	外圆直径 Dia(mm)	厚度 T(mm)
36W01203R	12.70	3.00
36W02503R	25.40	3.00



特 性 Specification		
材 料	Material	Si(Silicon)
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	60-40
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Custom Design

技术参数 TECHSPEC

编号 No.	外型尺寸 H=L(mm)	厚度 T(mm)
36W01203S	12.70	3.00
36W02503S	25.40	3.00

Spherical Lens

Cylindrical Lens

Prisms

Windows

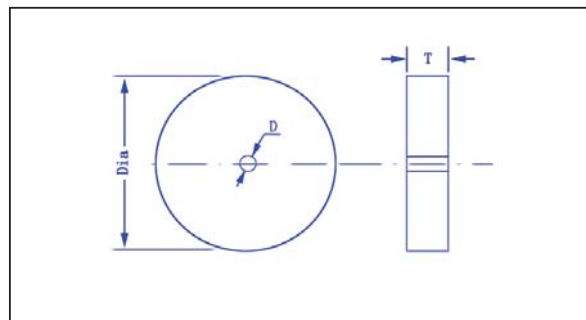
Mirrors

Coating

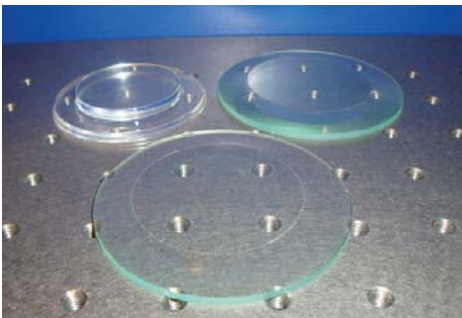
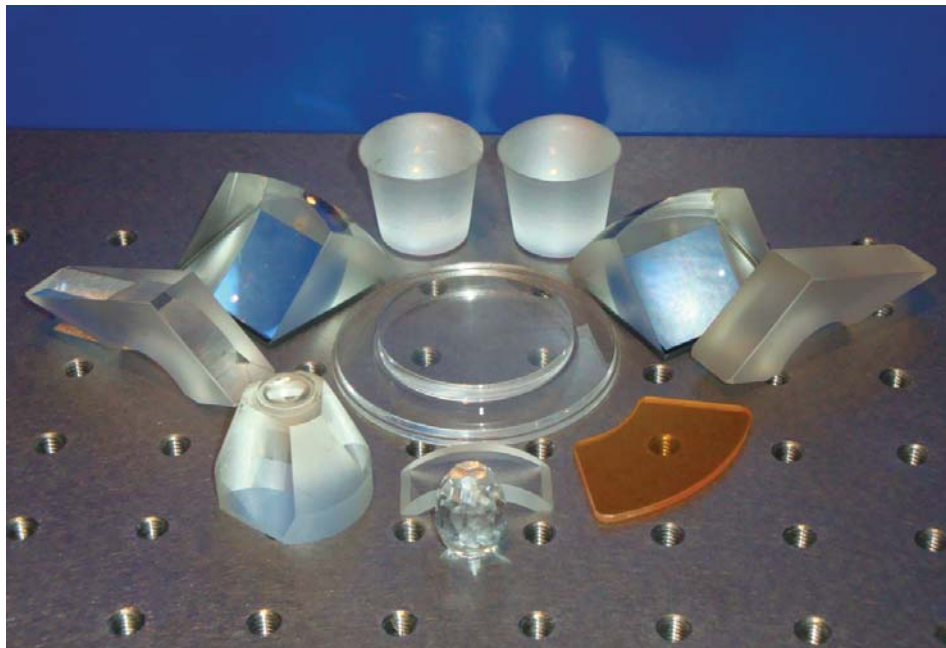
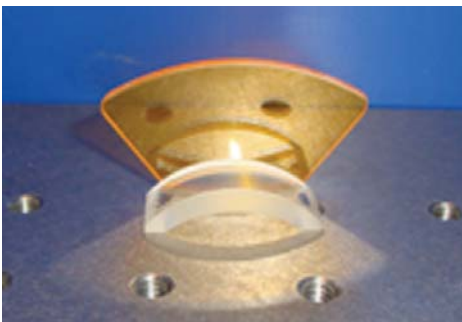
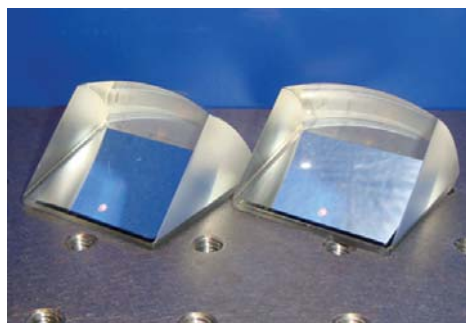
Filter



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
内孔公差	Inner Diameter Tolerance	+0.1/-0.0mm
面 型	Surface Accuracy	$< \lambda/4 @ 632.8\text{nm}$
光 洁 度	Surface Quality	60-40
平 行 度	Parallelism	$< 1 \text{ arc min}$
有效孔径	Clear Aperture	$> 90\%$
倒 边	Bevelling	$< 0.2 \times 45^\circ$
镀 膜	Coating	Custom Design



技术参数 TECHSPEC			
编号 No.	外圆直径 Dia(mm)	厚度 T(mm)	内孔直径 Inner D(mm)
DG05-1500-H1-1	12.70	2.00	2.00
DG10-1500-H1-1	25.40	2.00	2.00
DG20-1500-H2-1	50.80	2.00	2.00



Spherical Lens

Cylindrical Lens

Prisms

Windows

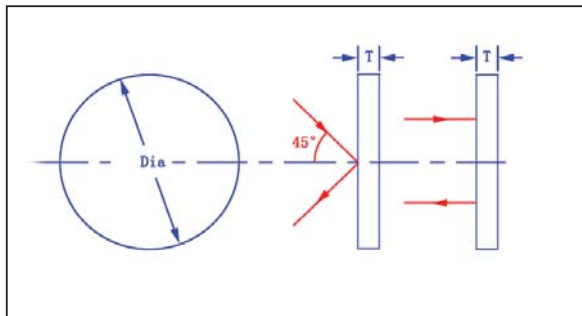
Mirrors

Coating

Filter



特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	S1:40-20 S2:Fine Ground
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	As Follow



镀铝反射镜 Al Coating Mirrors

技术参数 TECHSPEC		
编 号 No.	外圆直径 Dia(mm)	厚 度 T(mm)
51W00603R-Al	6.00	3.00
51W00903R-Al	9.00	3.00
51W01205R-Al	12.70	5.00
51W01805R-Al	18.00	5.00
51W02505R-Al	25.40	5.00
51W03005R-Al	30.00	5.00
51W04008R-Al	40.00	8.00
51W05008R-Al	50.80	8.00

镀银反射镜 Ag Coating Mirrors

技术参数 TECHSPEC		
编 号 No.	外圆直径 Dia(mm)	厚 度 T(mm)
51W00603R-Ag	6.00	3.00
51W00903R-Ag	9.00	3.00
51W01205R-Ag	12.70	5.00
51W01805R-Ag	18.00	5.00
51W02505R-Ag	25.40	5.00
51W03005R-Ag	30.00	5.00
51W04008R-Ag	40.00	8.00
51W05008R-Ag	50.80	8.00

镀金反射镜 Au Coating Mirrors

技术参数 TECHSPEC		
编 号 No.	外圆直径 Dia(mm)	厚 度 T(mm)
51W00603R-Au	6.00	3.00
51W00903R-Au	9.00	3.00
51W01205R-Au	12.70	5.00
51W01805R-Au	18.00	5.00
51W02505R-Au	25.40	5.00
51W03005R-Au	30.00	5.00
51W04008R-Au	40.00	8.00
51W05008R-Au	50.80	8.00

技术参数 TECHSPEC

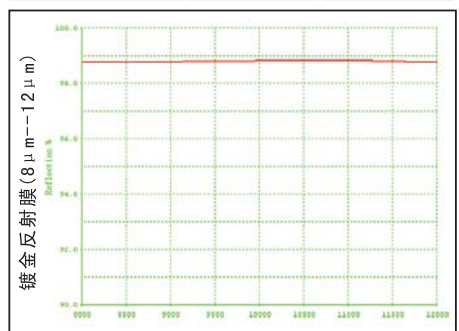
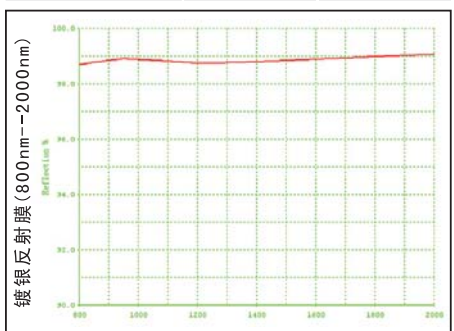
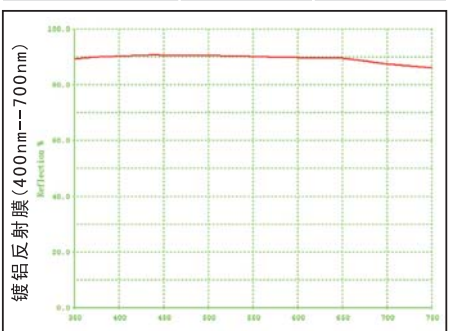
编 号 No.	外型尺寸 H=L(mm)	厚 度 T(mm)
51W00603S-Al	6.00	3.00
51W00903S-Al	9.00	3.00
51W01205S-Al	12.70	5.00
51W01805S-Al	18.00	5.00
51W02505S-Al	25.40	5.00
51W03005S-Al	30.00	5.00
51W04008S-Al	40.00	8.00
51W05008S-Al	50.80	8.00

技术参数 TECHSPEC

编 号 No.	外型尺寸 H=L(mm)	厚 度 T(mm)
51W00603S-Ag	6.00	3.00
51W00903S-Ag	9.00	3.00
51W01205S-Ag	12.70	5.00
51W01805S-Ag	18.00	5.00
51W02505S-Ag	25.40	5.00
51W03005S-Ag	30.00	5.00
51W04008S-Ag	40.00	8.00
51W05008S-Ag	50.80	8.00

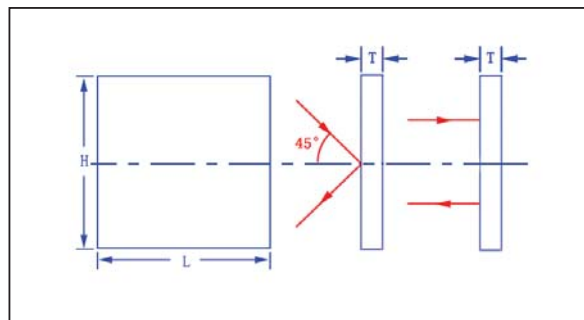
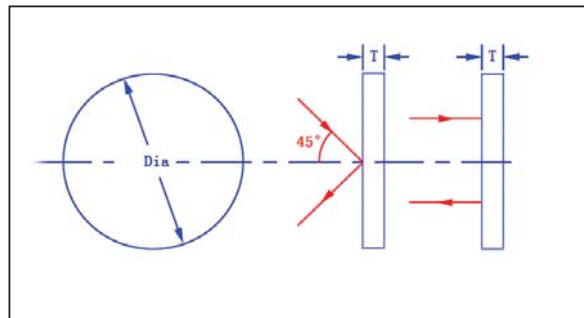
技术参数 TECHSPEC

编 号 No.	外型尺寸 H=L(mm)	厚 度 T(mm)
51W00603S-Au	6.00	3.00
51W00903S-Au	9.00	3.00
51W01205S-Au	12.70	5.00
51W01805S-Au	18.00	5.00
51W02505S-Au	25.40	5.00
51W03005S-Au	30.00	5.00
51W04008S-Au	40.00	8.00
51W05008S-Au	50.80	8.00





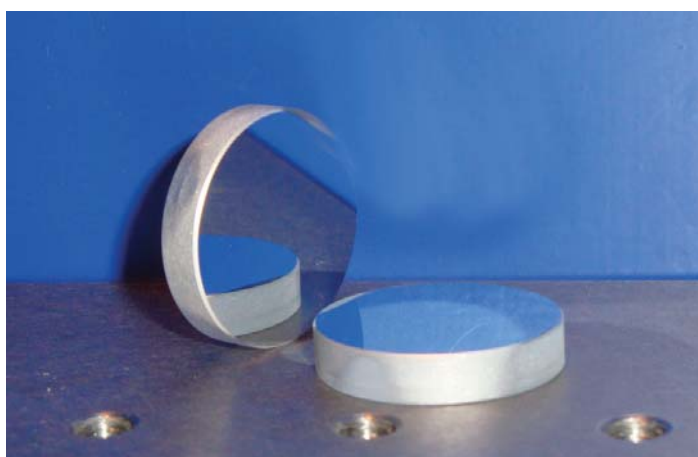
特 性 Specification		
材 料	Material	Tech Spec
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	S1:40-20 S2:Fine Ground
平 行 度	Parallelism	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Coating Spec



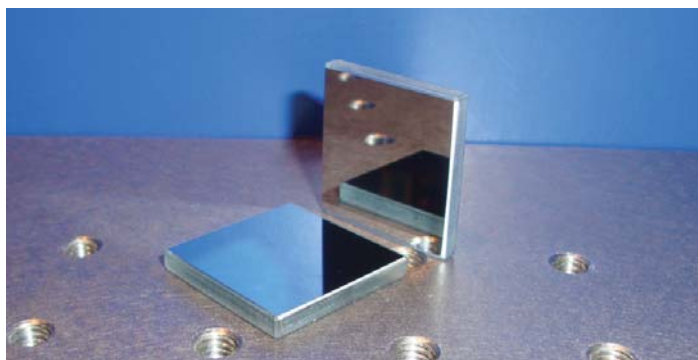
技术参数 TECHSPEC			
编 号 No.	材 料 Material	外圆直径 Dia(mm)	厚 度 T(mm)
51C00603R	H-K9L	6.00	3.00
51C01205R	H-K9L	12.70	5.00
51C02505R	H-K9L	25.40	5.00
51C04008R	H-K9L	40.00	8.00
51C05008R	H-K9L	50.80	8.00
52C00603R	JGS1	6.00	3.00
52C01203R	JGS1	12.70	3.00
52C02503R	JGS1	25.40	3.00
52C04005R	JGS1	40.00	5.00
52C05005R	JGS1	50.80	5.00



技术参数 TECHSPEC			
编 号 No.	材 料 Material	外型尺寸 H=L(mm)	厚 度 T(mm)
51C00603S	H-K9L	6.00	3.00
51C01205S	H-K9L	12.70	5.00
51C02505S	H-K9L	25.40	5.00
51C04008S	H-K9L	40.00	8.00
51C05008S	H-K9L	50.80	8.00
52C00603S	JGS1	6.00	3.00
52C01203S	JGS1	12.70	3.00
52C02503S	JGS1	25.40	3.00
52C04005S	JGS1	40.00	5.00
52C05005S	JGS1	50.80	5.00



镀膜参数 COATING SPEC		
编 号 No.	反射波长 Reflective Wavelength	入射角度 Incident Angle
D248	248nm	45°
D355	355nm	45°
D532	532nm	45°
D632.8	632.8nm	45°
D808	808nm	45°
D1064	1064nm	45°
D532-1064	532nm & 1064nm	45°



Spherical Lens

Cylindrical Lens

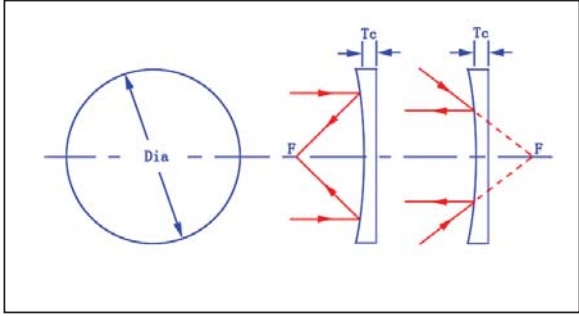
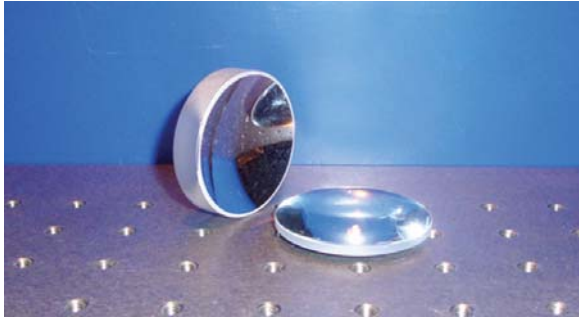
Prisms

Windows

Mirrors

Coating

Filter



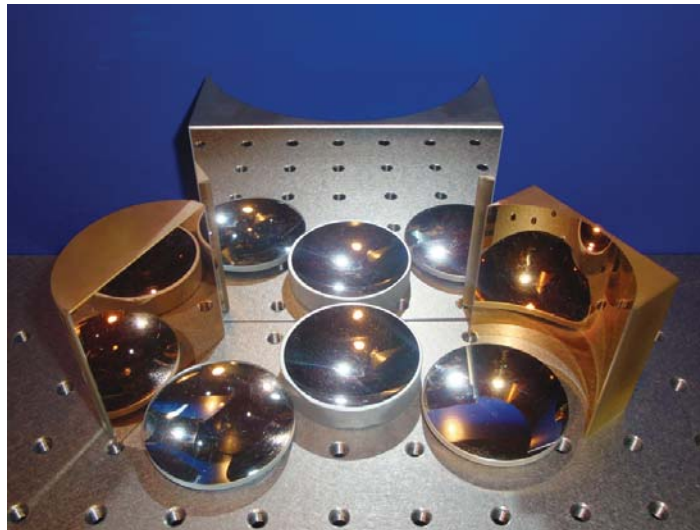
特 性 Specification		
材 料	Material	H-K9L (Schott BK7)
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/2@632.8\text{nm}$
光 洁 度	Surface Quality	S1:40-20 S2:Fine Ground
偏 心	Centration	<1 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	Coating Spec

技术参数 TECHSPEC

编 号 No.	外圆直径 Dia(mm)	反射焦距 F(mm)	中心厚度 Tc(mm)	曲率半径 R(mm)
51C05012R	12.70	12.00	3.00	24.00
51C05025R	12.70	25.00	3.00	50.00
51C05050R	12.70	50.00	3.00	100.00
51C10050R	25.40	50.00	6.00	100.00
51C10075R	25.40	75.00	6.00	150.00
51C10100R	25.40	100.00	6.00	200.00
51C10150R	25.40	150.00	6.00	300.00
51C10200R	25.40	200.00	6.00	400.00
51C10250R	25.40	250.00	6.00	500.00
51C20050R	50.80	50.00	9.00	100.00
51C20100R	50.80	100.00	9.00	200.00
51C20150R	50.80	150.00	9.00	300.00
51C20200R	50.80	200.00	9.00	400.00

镀膜参数 COATING SPEC

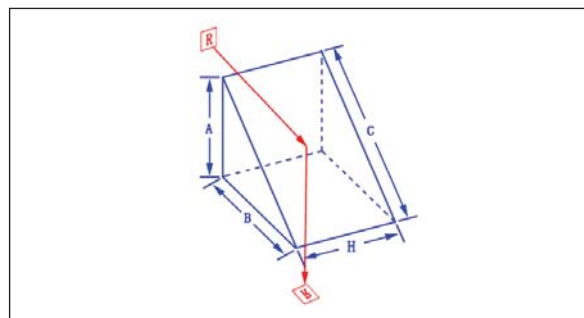
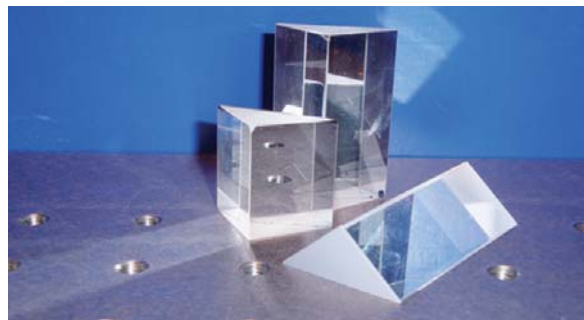
编 号 No.	反射波长 Reflective Wavelength	入射角度 Incident Angle
Al	400-700nm	45°
Ag	800-2000nm	45°
Au	2.0-10.6 μ m	45°
D248	248nm	45°
D355	355nm	45°
D532	532nm	45°
D632.8	632.8nm	45°
D808	808nm	45°
D1064	1064nm	45°
D532-1064	532nm & 1064nm	45°





特 性 Specification

材 料	Material	H-K9L (Schott BK7)
外型公差	Dimension Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$
光 洁 度	Surface Quality	40-20
角度公差	Angular Tolerance	<3 arc min
有效孔径	Clear Aperture	>90%
倒 边	Bevelling	<0.2×45°
镀 膜	Coating	As Follow



Spherical Lens

Cylindrical Lens

Prisms

Windows

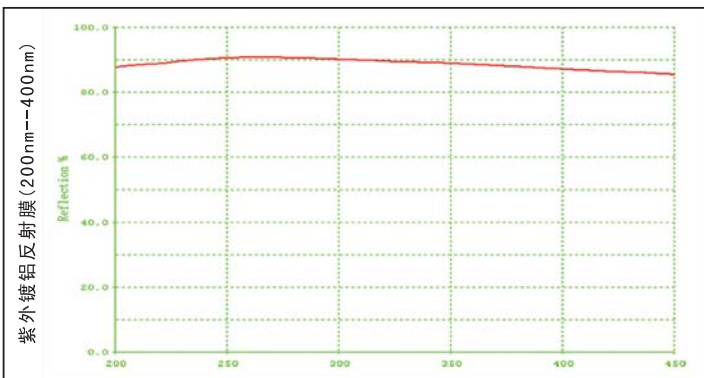
Mirrors

Coating

Filter

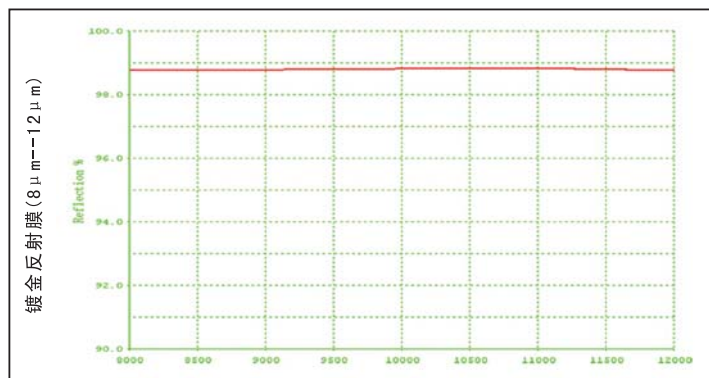
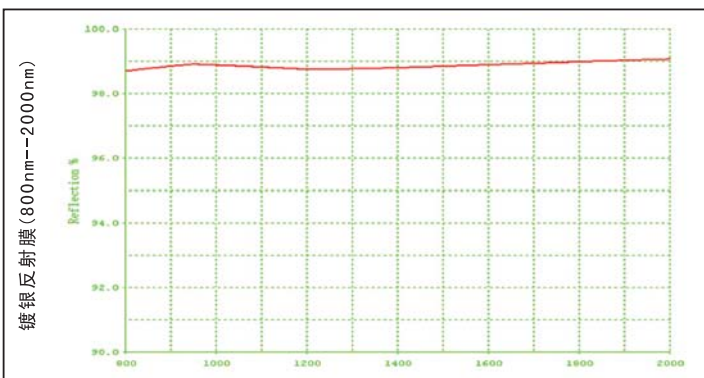
技术参数 TECHSPEC			
编 号 No.	直角边 A=B(mm)	斜 边 C(mm)	厚 度 H(mm)
41L05-UVAI	5.00	7.07	5.00
41L10-UVAI	10.00	14.14	10.00
41L20-UVAI	20.00	28.28	20.00
41L25-UVAI	25.00	35.35	25.00

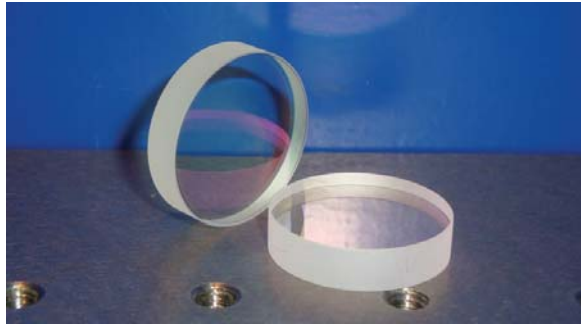
技术参数 TECHSPEC			
编 号 No.	直角边 A=B(mm)	斜 边 C(mm)	厚 度 H(mm)
41L05-AI	5.00	7.07	5.00
41L10-AI	10.00	14.14	10.00
41L20-AI	20.00	28.28	20.00
41L25-AI	25.00	35.35	25.00



技术参数 TECHSPEC			
编 号 No.	直角边 A=B(mm)	斜 边 C(mm)	厚 度 H(mm)
41L05-Ag	5.00	7.07	5.00
41L10-Ag	10.00	14.14	10.00
41L20-Ag	20.00	28.28	20.00
41L25-Ag	25.00	35.35	25.00

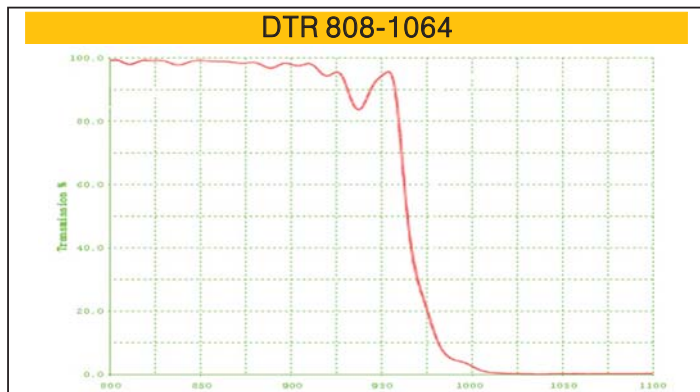
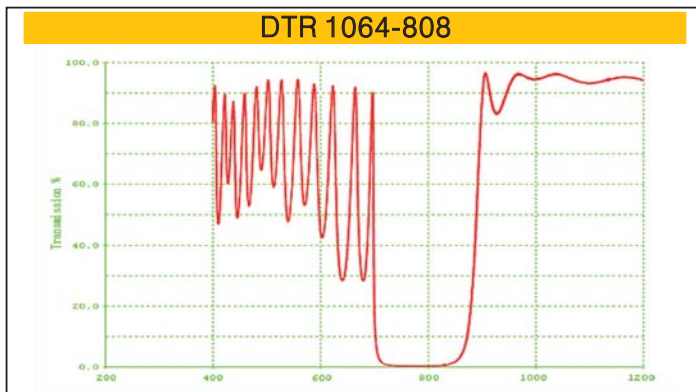
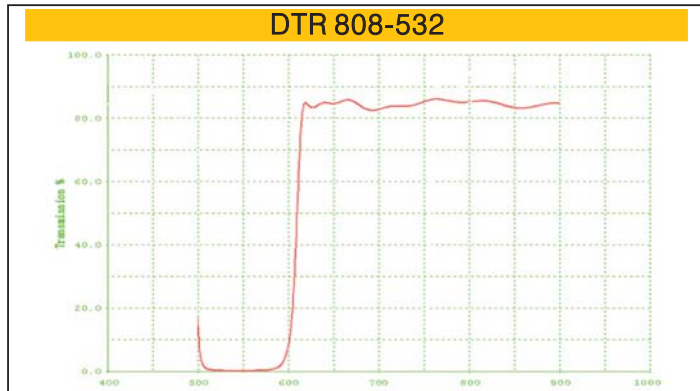
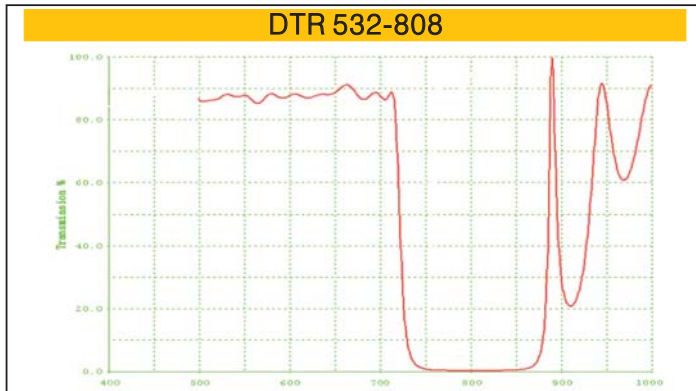
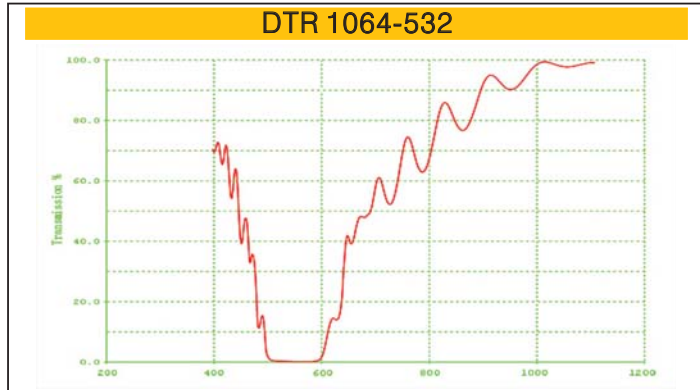
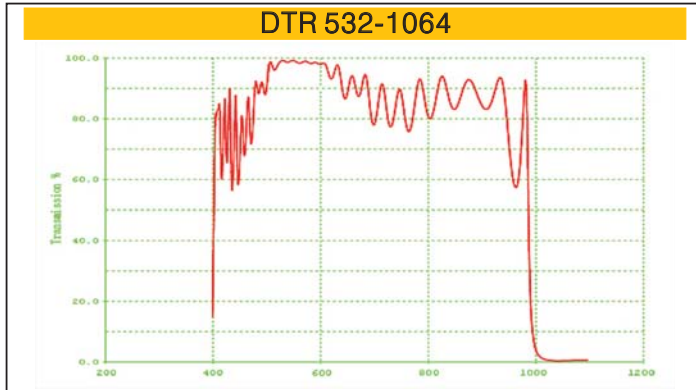
技术参数 TECHSPEC			
编 号 No.	直角边 A=B(mm)	斜 边 C(mm)	厚 度 H(mm)
41L05-Au	5.00	7.07	5.00
41L10-Au	10.00	14.14	10.00
41L20-Au	20.00	28.28	20.00
41L25-Au	25.00	35.35	25.00





特 性 Specification		
材 料	Material	JGS1(UV-Grade Fused Silica)
外型公差	Diameter Tolerance	±0.1mm
厚度公差	Thickness Tolerance	±0.1mm
光 洁 度	Surface Quality	40-20
平 行 度	Parallelism	<1 arc min
面 型	Surface Accuracy	$\lambda/4@632.8\text{nm}$

技术参数 TECHSPEC				
编 号 No.	透射波长 Wavelength (T)	反射波长 Wavelength(R)	外圆直径 Dia(mm)	厚 度 T(mm)
DTR 532-1064	532nm	1064nm	25.40	5.00
DTR 1064-532	1064nm	532nm	25.40	5.00
DTR 532-808	532nm	808nm	25.40	5.00
DTR 808-532	808nm	532nm	25.40	5.00
DTR 1064-808	1064nm	808nm	25.40	5.00
DTR 808-1064	808nm	1064nm	25.40	5.00





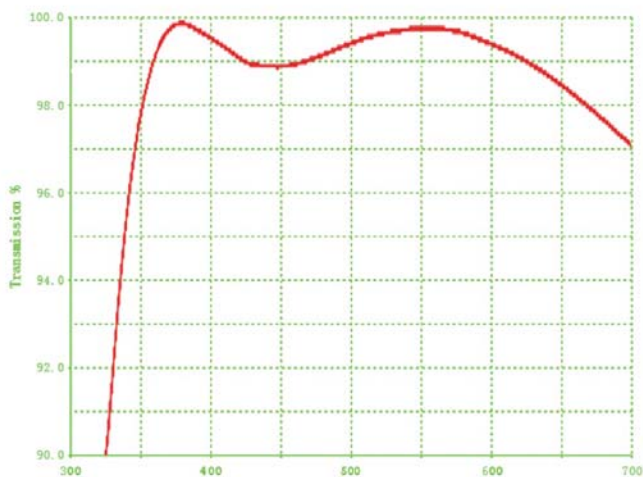
我公司专业提供光学薄膜产品，主要产品有增透膜(紫外、可见、红外)、高反膜(金属、介质)、滤光片(长通、短通、窄带)、衰减片等。产品主要销往北美、欧洲、亚太等地区的二十多个国家。

增透膜： 紫外波段增透膜、可见光波段增透膜、近红外及中红外增透膜，也可根据客户要求订制特殊膜系，如单点248nm增透、808nm增透，双点532nm、1064nm增透等。

高反膜： 金属、介质两种。金属膜包括金、银、铝、铜、铬等，适用于紫外、可见、红外波段。介质膜分为紫外波段、可见波段、红外波段，可根据客户要求订制单点高反镜、双点高反镜和宽带高反镜。

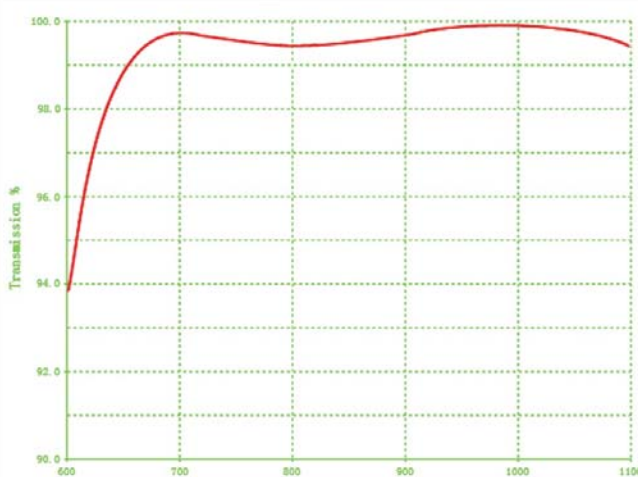
带通膜： 可根据客户要求订制短通滤光片、长通滤光片(吸收式、反射式)。

A:350nm--650nm 增透膜



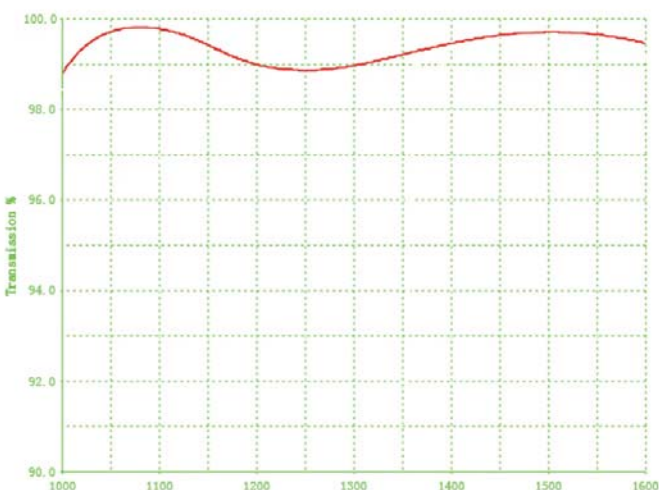
Broadband AR Coating 350nm--650nm

B:650nm--1050nm 增透膜



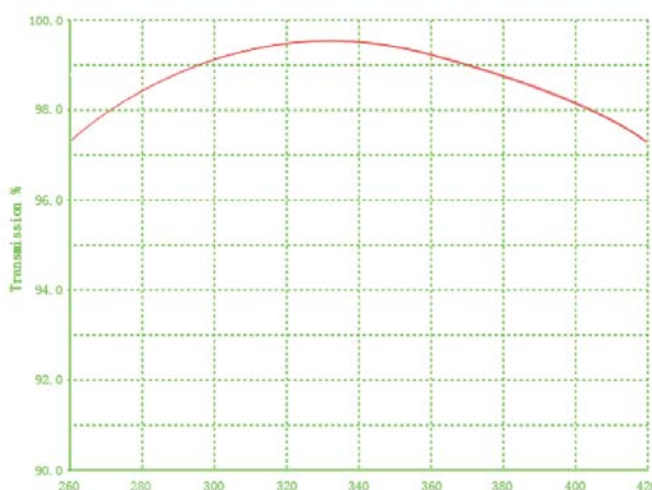
Broadband AR Coating 650nm--1050nm

C:1050nm--1580nm 增透膜



Broadband AR Coating 1050nm--1580nm

UV:290nm--370nm 紫外增透膜



UV AR Coating 290nm--370nm

Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter



Spherical Lens

Cylindrical Lens

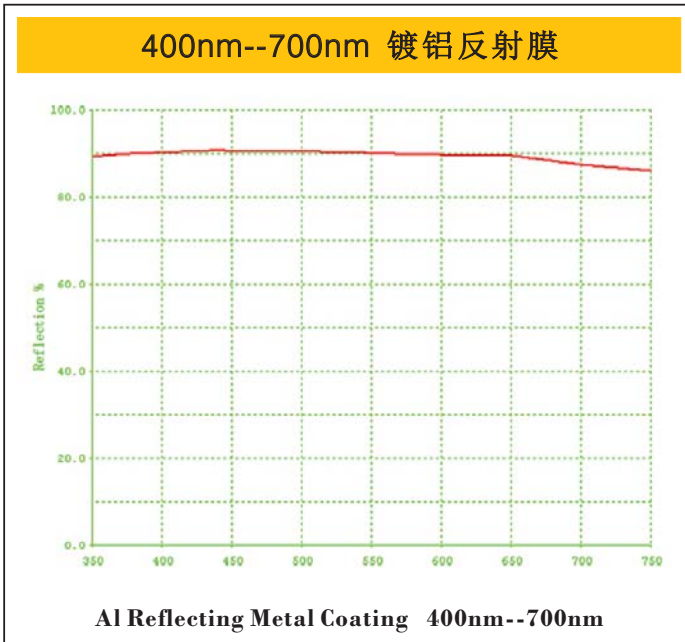
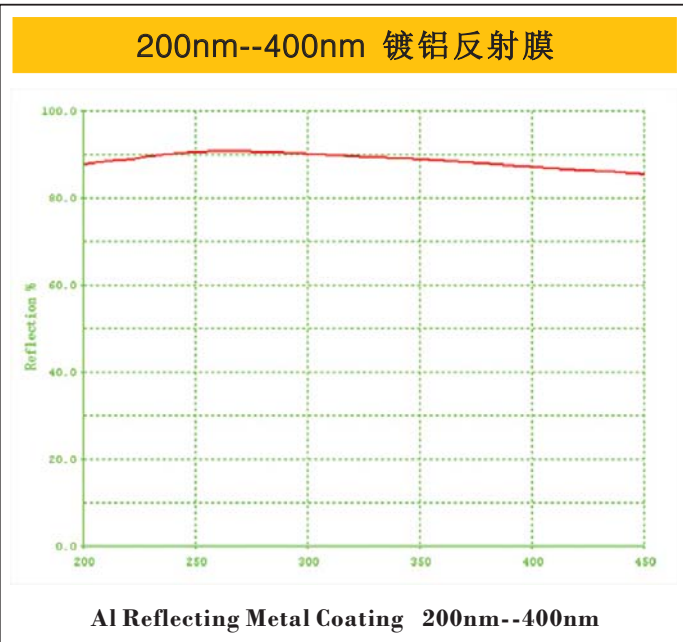
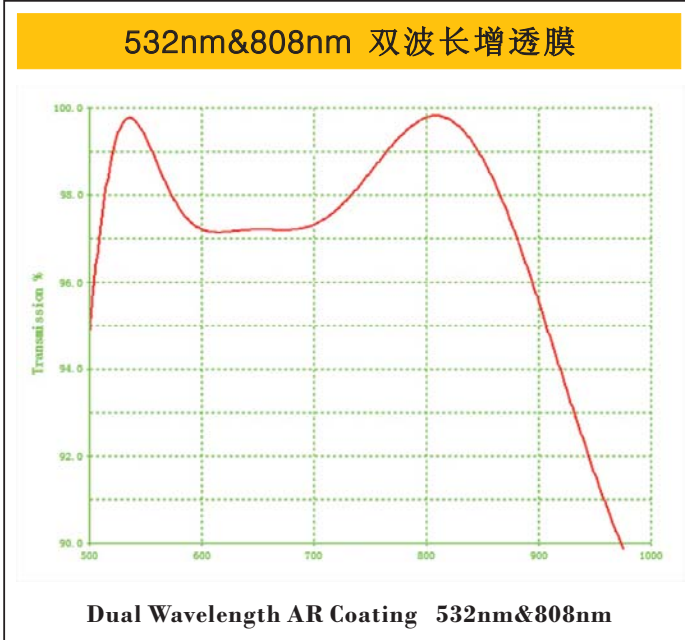
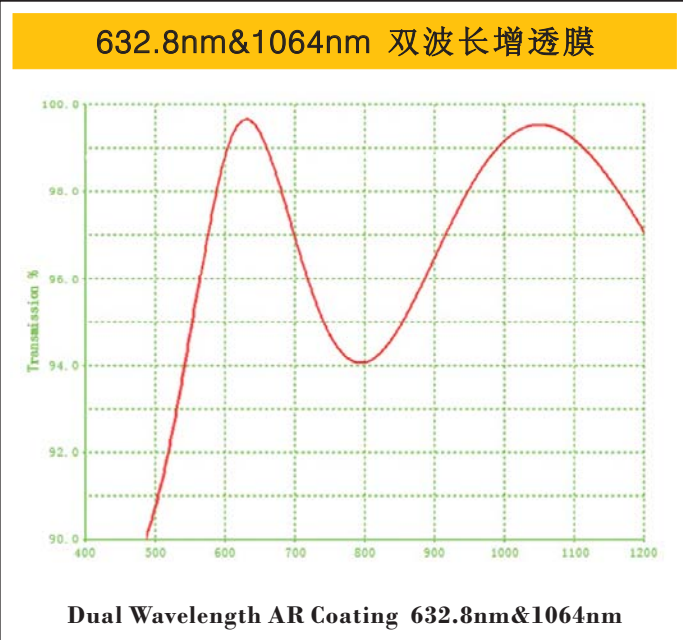
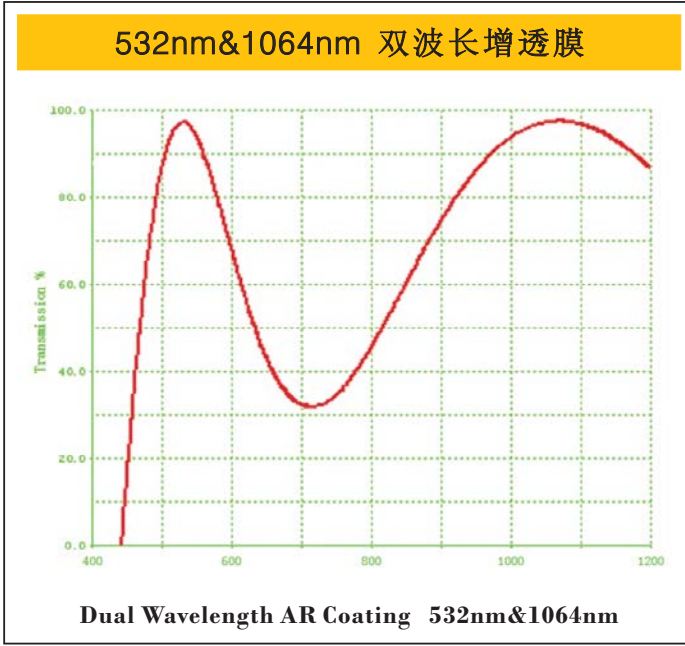
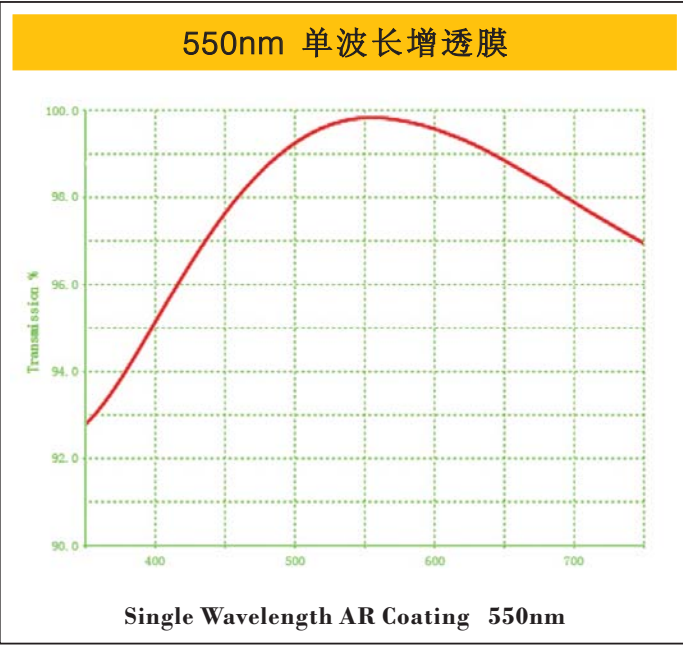
Prisms

Windows

Mirrors

Coating

Filter





- Spherical Lens
- Cylindrical Lens
- Prisms
- Windows
- Mirrors
- Coating
- Filter

800nm--2000nm 镀银反射膜



Ag Reflecting Metal Coating 800nm--2000nm

8 μ m--12 μ m 镀金反射膜



Au Reflecting Metal Coating 8 μ m--12 μ m

248nm 单波长介质高反膜



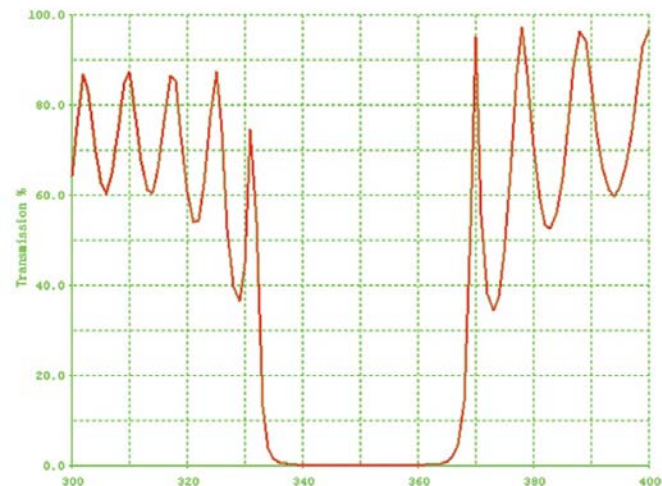
Single Wavelength Dielectric High-reflecting Coating 248nm

266nm 单波长介质高反膜



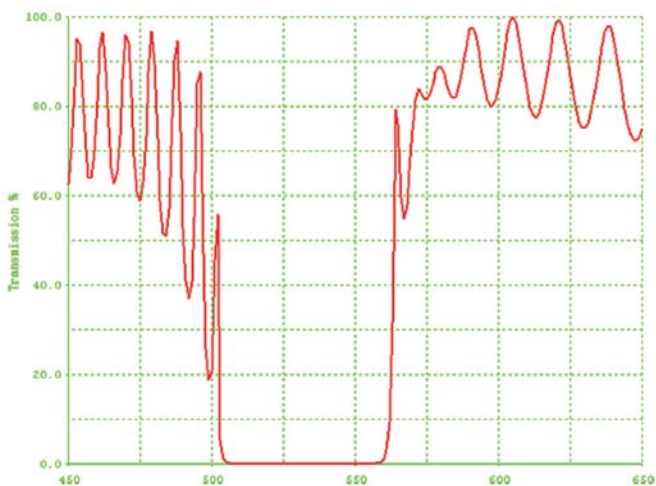
Single Wavelength Dielectric High-reflecting Coating 266nm

355nm 单波长介质高反膜



Single Wavelength Dielectric High-reflecting Coating 355nm

546.1nm 单波长介质高反膜



Single Wavelength Dielectric High-reflecting Coating 546.1nm



Spherical Lens

Cylindrical Lens

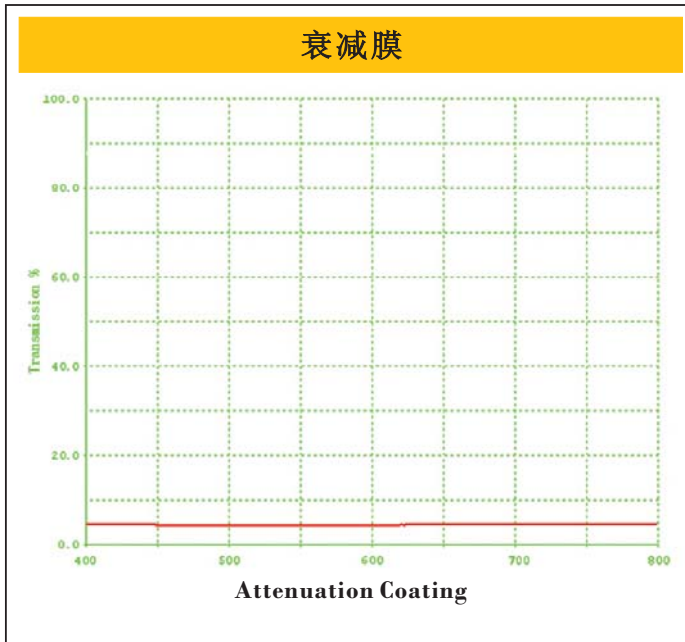
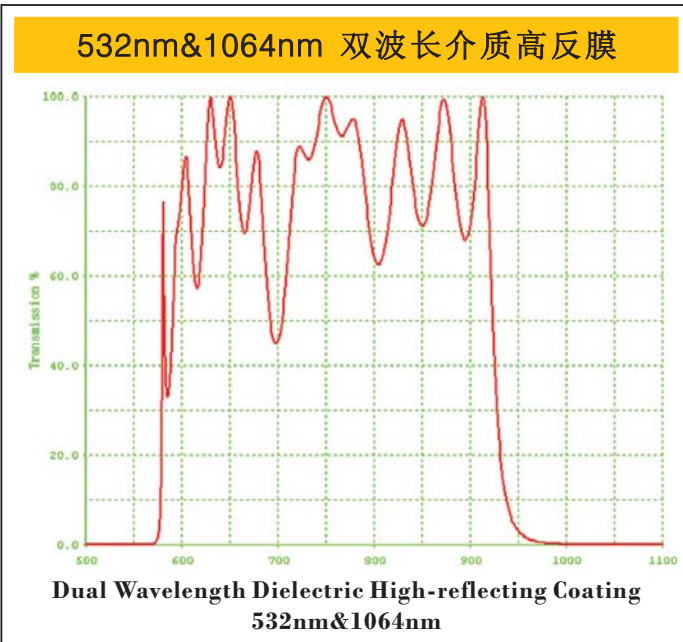
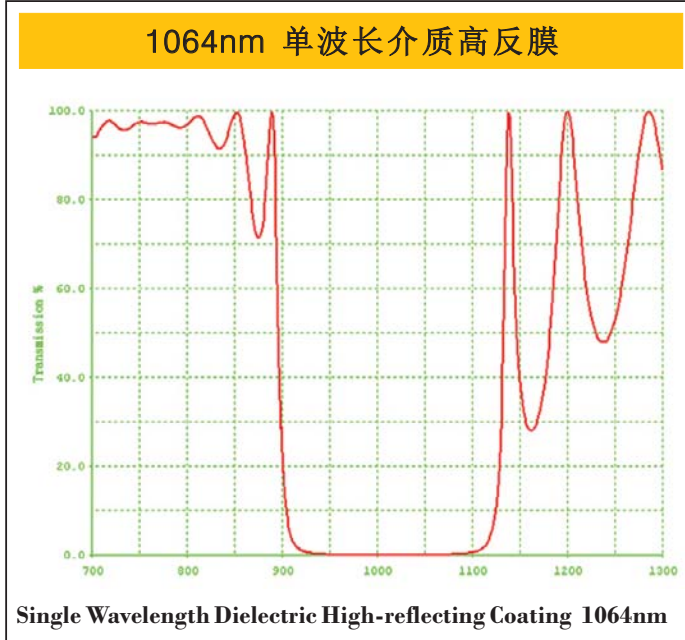
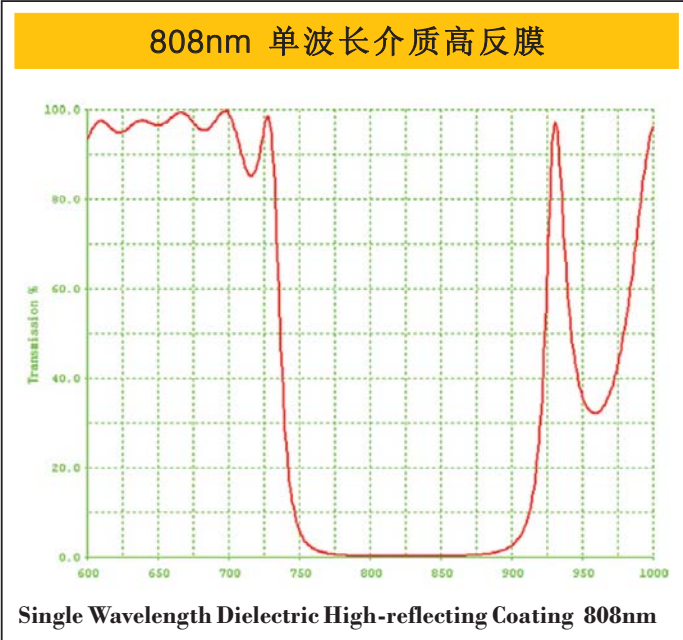
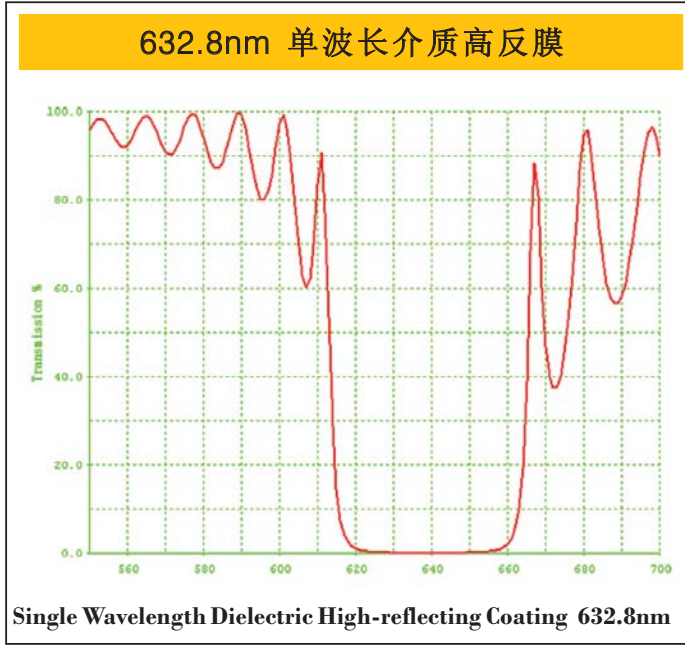
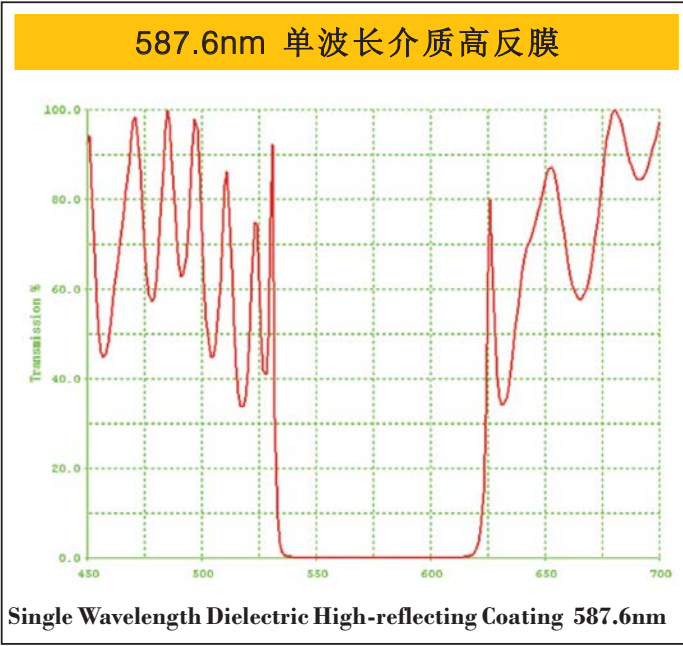
Prisms

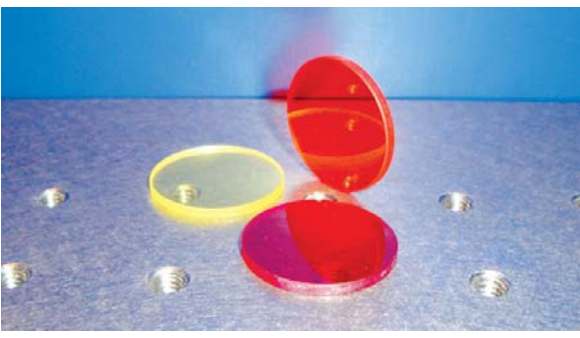
Windows

Mirrors

Coating

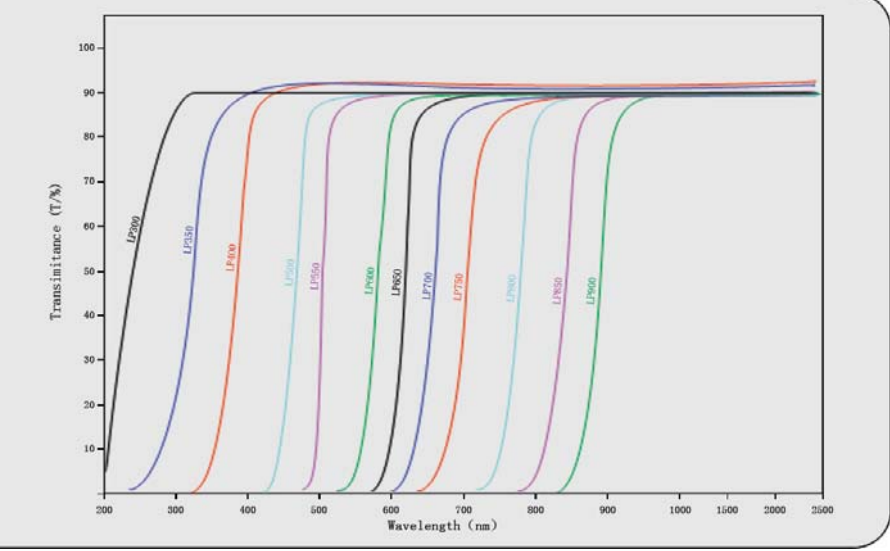
Filter





特 性 Specification		
材 料	Material	有色玻璃(Color Glass)
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
光 洁 度	Surface Quality	40-20
平 行 度	Parallelism	<3 arc min

技术参数 TECHSPEC					
编 号 No.	外圆尺寸 Dia(mm)	厚 度 T(mm)	截止波段 Cut-off wavelength	透过波段 Wavelength (T)	极限透过率 Peak Transmittance
LP300	25.4	2.0	180nm-200nm	280nm-2500nm (T>80%)	85%
LP350	25.4	2.0	180nm-250nm	330nm-2500nm (T>80%)	92%
LP400	25.4	2.0	180nm-320nm	380nm-2500nm (T>80%)	92%
LP500	25.4	2.0	180nm-430nm	470nm-2500nm (T>80%)	90%
LP550	25.4	2.0	180nm-480nm	525nm-2500nm (T>80%)	90%
LP600	25.4	2.0	180nm-530nm	580nm-2500nm (T>80%)	90%
LP650	25.4	2.0	180nm-580nm	625nm-2500nm (T>80%)	90%
LP700	25.4	2.0	180nm-600nm	650nm-2500nm (T>80%)	90%
LP750	25.4	2.0	180nm-640nm	700nm-2500nm (T>80%)	90%
LP800	25.4	2.0	180nm-740nm	775nm-2500nm (T>80%)	90%
LP850	25.4	2.0	180nm-780nm	825nm-2500nm (T>80%)	90%
LP900	25.4	2.0	180nm-820nm	850nm-2500nm (T>80%)	90%



Spherical Lens

Cylindrical Lens

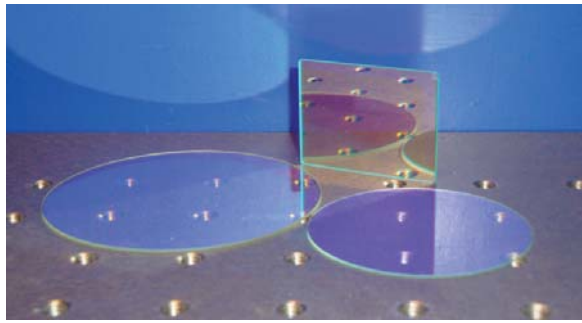
Prisms

Windows

Mirrors

Coating

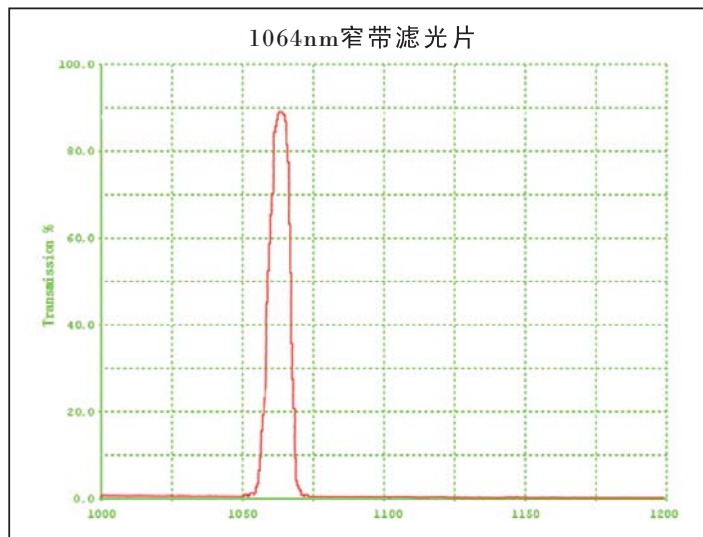
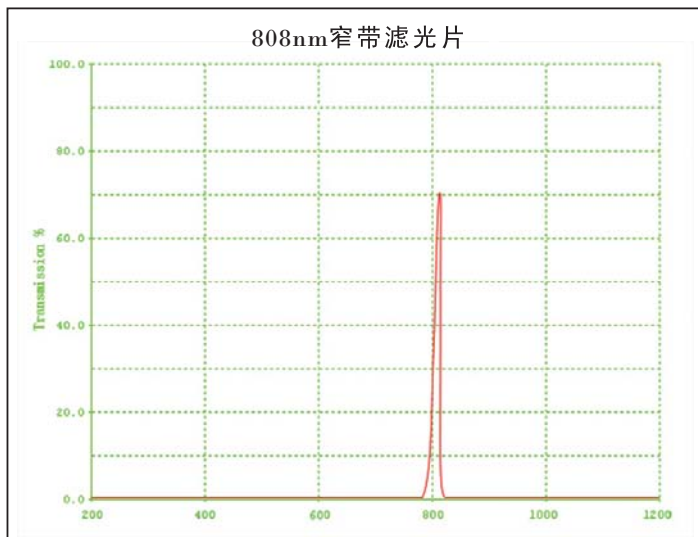
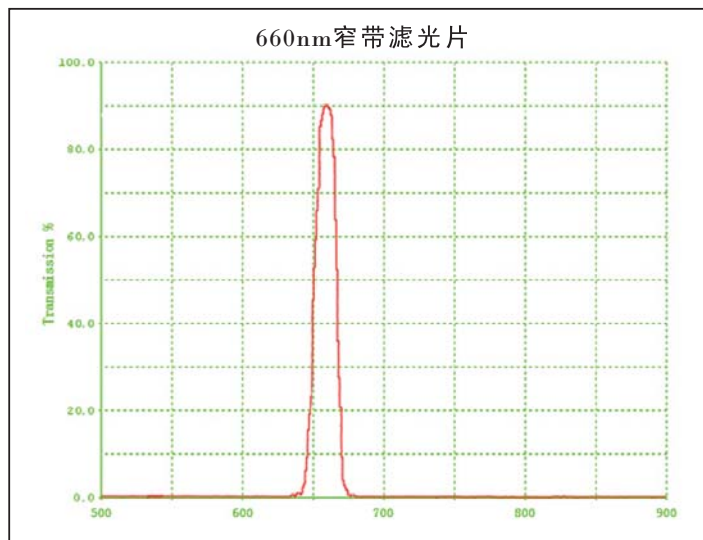
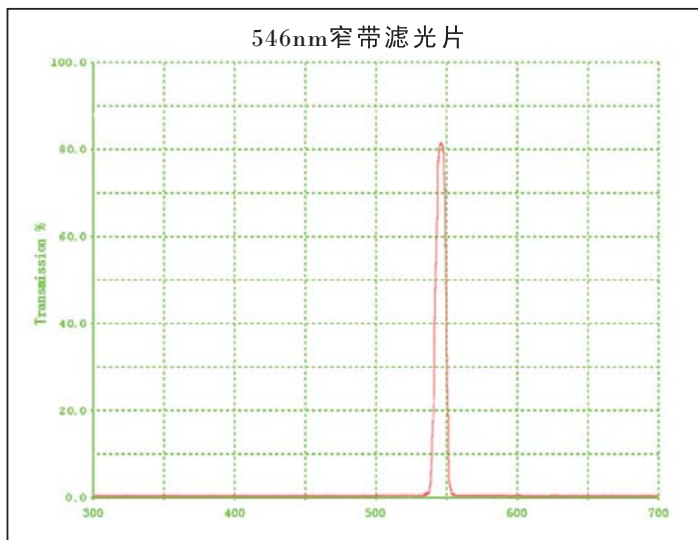
Filter



特 性 Specification		
材 料	Material	B270
外型公差	Diameter Tolerance	+0/-0.1mm
厚度公差	Thickness Tolerance	±0.1mm
光 洁 度	Surface Quality	40-20
平 行 度	Parallelism	<3 arc min

技术参数 TECHSPEC

编 号 No.	外圆直径 Dia(mm)	厚 度 T(mm)	中心波长 Central Wavelength	半宽度 Half Bandwidth	极限透过率 Peak Transmittance	截止深度 Cut-off Depth	截止宽度 Cut-off Width
NBF405	25.4	3.3	405nm	10-15nm	T>60%	T<0.01	180nm-1200nm
NBF450	25.4	3.3	450nm	10-15nm	T>75%	T<0.01	180nm-800nm
NBF510	25.4	3.3	510nm	10-15nm	T>80%	T<0.01	180nm-800nm
NBF546	25.4	3.3	546nm	10-15nm	T>80%	T<0.01	180nm-850nm
NBF587	25.4	3.3	587nm	10-15nm	T>80%	T<0.01	180nm-850nm
NBF633	25.4	3.3	633nm	10-15nm	T>80%	T<0.01	180nm-850nm
NBF660	25.4	3.3	660nm	10-15nm	T>80%	T<0.01	180nm-850nm
NBF808	25.4	3.3	808nm	10-15nm	T>80%	T<0.01	180nm-1200nm
NBF905	25.4	3.3	905nm	10-15nm	T>80%	T<0.01	180nm-1200nm
NBF975	25.4	3.3	975nm	10-15nm	T>80%	T<0.01	180nm-1200nm
NBF1064	25.4	3.3	1064nm	10-15nm	T>80%	T<0.01	180nm-1200nm
NBF1560	25.4	3.3	1560nm	10-15nm	T>80%	T<0.01	180nm-1750nm



Spherical Lens

Cylindrical Lens

Prisms

Windows

Mirrors

Coating

Filter



产品采购须知

产品选购

我公司备有大量标准产品库存。用户可根据标准产品的外型尺寸、技术参数和镀膜特性等进行选购。另外我们也可根据用户的要求订制各种特殊的光学产品。

光学元件的保存

光学元件在不使用时，请妥善保存于干燥常温的环境中。需要清洁时请用专业镜头纸、纱布或棉花蘸专用清洁剂(一般为20%无水酒精+80%乙醚混合液)擦拭。

产品质保

在您收到我公司的产品后，请在快递员在场的前提下将邮件拆封检查是否有损坏。若外观没有问题，则从您收到货起30天内出现非人为因素造成的损坏或指标不达标的问题，请及时与我方联系，并提供您的检测依据。我方将负责免费返修、更换或退货。

付款方式

我公司接受款到发货和货到付款两种付款条件，付款方式可以是现金、支票、电汇以及快递公司代收货款。

交货期

若您购买的产品为我公司库存产品，则您可在双方付款条件达成一致后三天内收到货物(节假日除外)。若您购买的产品是订制的产品，我们会在约定的期限内将货物发到您指定的地点。

联系方式

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