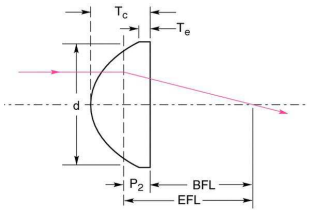
Aspherical Lenses

Aspherical lenses have non-spherical surfaces. We offer aspherical lenses in various sizes, focal lengths, and materials. Cu



Specifications:

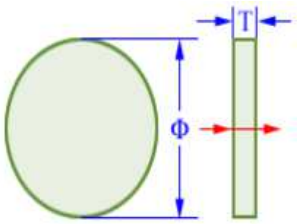
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	40-20
Surface Flatness	λ/4@632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm×45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm

Product List:

Part Number	Diameter D (mm)	Focal Length F (mm)	Back Focal Length Fb (mm)	Center Thickness Tc (mm)	Edge Thickness Te (mm)	Material
LOAL6.8-6.0	6.80	6.00	4.12	2.78	0.56	B270
LOAL9-6.78	9.00	6.78	4.08	5.00	1.30	B270
LOAL12-8.5	12.00	8.50	5.80	5.50	1.60	B270
LOAL12-10.5	12.00	10.50	8.20	3.50	1.10	B270
LOAL15-12.2	15.00	12.20	7.80	7.50	2.00	B270
LOAL18-12.0	18.00	12.00	6.90	8.80	3.30	B270
LOAL19-17.0	19.00	17.00	12.40	7.00	1.80	B270
LOAL24-18.0	24.00	18.00	11.20	10.40	1.60	B270
LOAL25-17	25.00	17.00	9.80	11.00	2.50	B270
LOAL25-20.0	25.00	20.00	15.10	7.50	1.20	B270
LOAL30-23.5	30.00	23.50	16.30	14.00	3.80	B270
LOAL35-26.2	35.00	26.20	16.40	13.90	4.00	B270
LOAL38-34.5	38.00	34.50	26.60	12.00	1.50	B270
LOAL45-31.18	45.00	31.18	19.36	18.00	3.00	B270
LOAL50-39.0	50.00	39.00	24.90	20.50	2.80	B270

Optical Windows - BK7 Windows

BK7 windows feature high transmittance in the 330-2100 nm wavelength range. With anti-reflection coating, the transmitt



Material	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	40-20
Surface Flatness	λ/4@632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm×45°
Coatings	A: AR Coating 350-650nm
	B: AR Coating 650-950nm
	C: AR Coating 950-1250nm

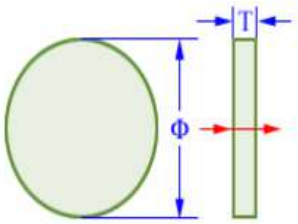
Round Windows:

Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWB6-2	6.00	2.00
LOWB10-3	10.00	3.00
LOWB12.7-3	12.70	3.00
LOWB12.7-5	12.70	5.00
LOWB15-3	15.00	3.00
LOWB15-5	15.00	5.00
LOWB20-3	20.00	3.00
LOWB20-5	20.00	5.00
LOWB25.4-3	25.40	3.00
LOWB25.4-5	25.40	5.00
LOWB30-3	30.00	3.00
LOWB30-5	30.00	5.00
LOWB38.1-3	38.10	3.00
LOWB38.1-5	38.10	5.00
LOWB40-5	40.00	5.00
LOWB40-8	40.00	8.00
LOWB50.8-5	50.80	5.00
LOWB50.8-8	50.80	8.00
LOWB75-5	75.00	5.00
LOWB75-10	75.00	10.00
LOWB100-10	100.00	10.00
LOWB100-12	100.00	12.00
LOWB150-20	150.00	20.00

Square Windows (Size marked with *):

Optical Windows - UV Fused Silica Windows

UV Fused Silica windows offer excellent transmittance in both UV and near-infrared ranges, with superior thermal stability



Material	Fused Silica (JGS1)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	40-20
Surface Flatness	λ/4@632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm×45°
Coatings	Custom Design

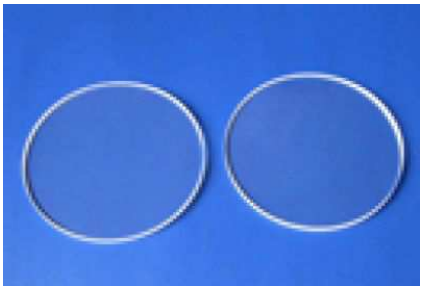
Round Windows:

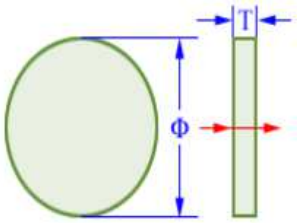
Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWF3.5-1	3.50	1.00
LOWF3.5-2	3.50	2.00
LOWF3.5-3	3.50	3.00
LOWF5-1	5.00	1.00
LOWF5-2	5.00	2.00
LOWF5-3	5.00	3.00
LOWF6-2	6.00	2.00
LOWF6-3	6.00	3.00
LOWF10-3	10.00	3.00
LOWF12.7-1	12.70	1.00
LOWF12.7-2	12.70	2.00
LOWF12.7-3	12.70	3.00
LOWF15-3	15.00	3.00
LOWF20-3	20.00	3.00
LOWF25.4-3	25.40	3.00
LOWF30-5	30.00	5.00
LOWF38.1-5	38.10	5.00
LOWF40-5	40.00	5.00
LOWF50.8-5	50.80	5.00
LOWF75-10	75.00	10.00
LOWF100-12	100.00	12.00
LOWF150-20	150.00	20.00

Square Windows (Size marked with *):

Optical Windows - Sapphire Windows

Sapphire windows feature extremely high hardness (second only to diamond), providing exceptional structural strength. With high surface hardness, thermal conductivity, and chemical resistance, sapphire windows are suitable for the 0.15-5.5 μm wavelength range.





Material	Sapphire (Al_2O_3)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	40-20
Surface Flatness	λ/4@632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm×45°
Coatings	Custom Design

Round Windows:

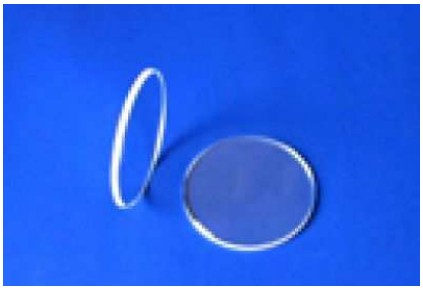
Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWS6-2	6.00	2.00
LOWS8-1	8.00	1.00
LOWS10-3	10.00	3.00
LOWS12.7-1	12.70	1.00
LOWS15-2	15.00	2.00
LOWS20-2	20.00	2.00
LOWS25.4-2	25.40	2.00
LOWS25.4-3	25.40	3.00
LOWS30-2	30.00	2.00
LOWS30-3	30.00	2.00
LOWS30-5	30.00	5.00
LOWS38.1-5	38.10	5.00
LOWS50.8-5	50.80	5.00

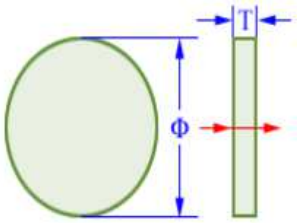
Square Windows (Size marked with *):

Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWSS10-2	10.00×10.00	2.00
LOWSS12.7-2	12.70×12.70	2.00
LOWSS20-3	20.00×20.00	3.00
LOWSS25.4-3	25.40×25.40	3.00
LOWSS50.8-5	50.80×50.80	5.00

Optical Windows - Calcium Fluoride (CaF_2) Windows

CaF_2 windows offer excellent transmittance from 130nm to 8 μm. With low absorption, high damage threshold, broad spectral range, low refractive index, and superior humidity resistance, they are widely used in windows and lenses.





Material	Calcium Fluoride (CaF_2)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	80-50
Surface Flatness	λ/2@632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm×45°
Coatings	Custom Design

Round Windows:

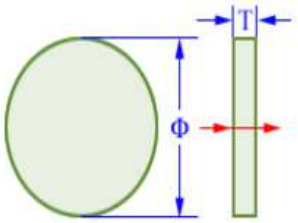
Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWC6-2	6.00	2.00
LOWC10-3	10.00	3.00
LOWC12.7-2	12.70	2.00
LOWC12.7-3	12.70	3.00
LOWC15-3	15.00	3.00
LOWC20-3	20.00	3.00
LOWC20-5	20.00	5.00
LOWC25.4-3	25.40	3.00
LOWC25.4-5	25.40	5.00
LOWC30-3	30.00	3.00
LOWC30-5	30.00	5.00
LOWC38.1-3	38.10	3.00
LOWC38.1-5	38.10	5.00
LOWC50.8-3	50.80	3.00
LOWC50.8-5	50.80	5.00
LOWC75-10	75.00	10.00
LOWC100-12	100.00	12.00

Square Windows (Size marked with *):

Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWCS12.7-3	12.70×12.70	3.00
LOWCS25.4-3	25.40×25.40	3.00

Optical Windows - Germanium (Ge) Windows

In the 2-12 μm range, germanium is the most commonly used material for optical lenses and windows in efficient infrared imaging systems. With high refractive index (~4.0 at 2-14 μm), minimal surface curvature, and low chromatic aberration, Ge windows typically require no correction in low-power imaging systems.



Material	Germanium (Ge)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	60-40
Surface Flatness	λ/2@632.8nm
Centration	<3 arc min
Clear Aperture	>90%
Beveling	0.25mm×45°
Coatings	Custom Design

Round Windows:

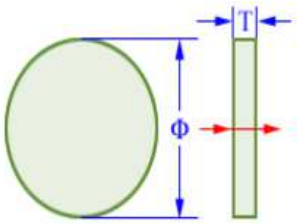
Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWG6-2	6.00	2.00
LOWG10-3	10.00	3.00
LOWG12.7-3	12.70	3.00
LOWG15-3	15.00	3.00
LOWG20-3	20.00	3.00
LOWG25.4-3	25.40	3.00
LOWG30-5	30.00	5.00
LOWG38.1	38.10	5.00
LOWG38.1-5	38.10	5.00
LOWG50.8-5	50.80	5.00

Square Windows (Size marked with *):

Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWGS10-3	10.00×10.00	3.00
LOWGS12.7-3	12.70×12.70	3.00
LOWGS15-3	15.00×15.00	3.00
LOWGS20-3	20.00×20.00	3.00
LOWGS24.5-3	24.50×24.50	3.00
LOWGS30-5	30.00×30.00	5.00
LOWGS38.1-5	38.10×38.10	5.00

Optical Windows - Silicon (Si) Windows

Silicon windows are primarily used in high-precision infrared instruments. With low density (half that of germanium and zir



Material	Silicon (Si)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	60-40
Surface Flatness	λ/2@632.8nm
Centration	<3 arc min
Clear Aperture	>80%
Beveling	0.25mm×45°
Coatings	Custom Design

Round Windows:

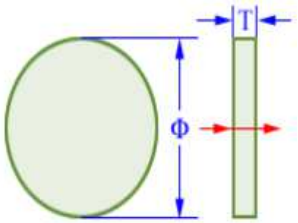
Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWI6-2	6.00	2.00
LOWI10-3	10.00	3.00
LOWI12.7-3	12.70	3.00
LOWI15-3	15.00	3.00
LOWI20-3	20.00	3.00
LOWI25.4-3	25.40	3.00
LOWI30-5	30.00	5.00
LOWI38.1-5	38.10	5.00
LOWI50.8-5	50.80	5.00
LOWI75-10	75.00	10.00
LOWI100-15	100.00	15.00
LOWI150-20	150.00	20.00

Square Windows (Size marked with *):

Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWIS10-3	10.00×10.00	3.00
LOWIS12.7-3	12.70×12.70	3.00
LOWIS15-3	15.00×15.00	3.00
LOWIS20-3	20.00×20.00	3.00
LOWIS24.5-3	24.50×24.50	3.00
LOWIS30-5	30.00×30.00	5.00
LOWIS38.1-5	38.10×38.10	5.00
LOWIS50.8-5	50.80×50.80	5.00

Optical Windows - Zinc Selenide (ZnSe) Windows

ZnSe windows feature high transmittance in the 0.5-20 μm range. With low absorption coefficient and high thermal stability, ZnSe windows are widely used in high-power CO_2 laser applications.



Material	Zinc Selenide (ZnSe)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	60-40
Surface Flatness	λ/2@632.8nm
Centration	<3 arc min
Clear Aperture	>80%
Beveling	0.25mm×45°
Coatings	Custom Design

Round Windows:

Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWZ6-2	6.00	2.00
LOWZ10-3	10.00	3.00
LOWZ12.7-3	12.70	3.00
LOWZ15-3	15.00	3.00
LOWZ20-3	20.00	3.00
LOWZ25.4-3	25.40	3.00
LOWZ30-5	30.00	5.00
LOWZ38.1-5	38.10	5.00
LOWZ50.8-5	50.80	5.00

Square Windows (Size marked with *):

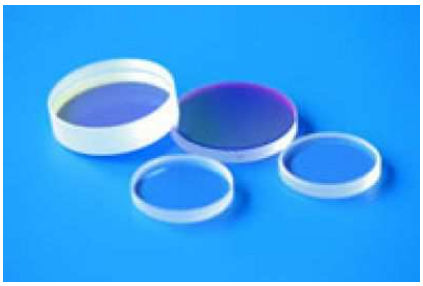
Part Number	Diameter Φ (mm)	Thickness T (mm)
LOWZS10-3	10.00×10.00	3.00
LOWZS12.7-3	12.70×12.70	3.00
LOWZS15-3	15.00×15.00	3.00
LOWZS20-3	20.00×20.00	3.00
LOWZS25.4-3	25.40×25.40	3.00
LOWZS30-5	30.00×30.00	5.00
LOWZ38.1-5	38.10×38.10	5.00

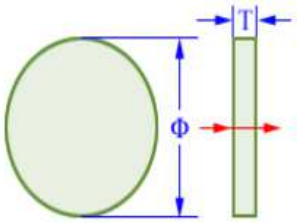
Optical Mirrors

We offer a wide range of metallic and dielectric mirrors. The incident angle range is 0-45°. If no special requirements are s

Laser Line High Reflected Mirrors

Laser line dielectric high-reflectance mirrors offer higher reflectance compared to metallic mirrors, with higher damage thr



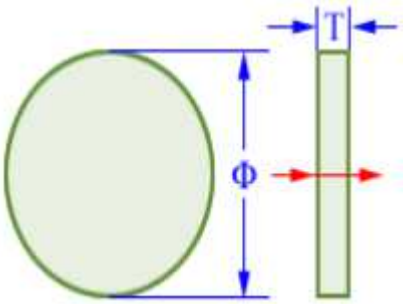


Substrate	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	40-20
Surface Flatness	λ/4@632.8nm
Centration	<2 arc min
Clear Aperture	>90%
Beveling	0.25mm×45°

Product List:

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)	Reflectance (%)
LOLLM20-266	266	20	4	>99
LOLLM30-308	308	30	5	>99
LOLLM20-355	355	20	4	>99
LOLLM30-355	355	30	5	>99
LOLLM20-441.6	441.6	20	4	>99
LOLLM30-441.6	441.6	30	5	>99
LOLLM20-488	488	20	4	>99
LOLLM30-488	488	30	5	>99
LOLLM20-532	532	20	4	>99
LOLLM30-532	532	30	5	>99
LOLLM20-632.8	632.8	20	4	>99.5
LOLLM25-632.8	632.8	25.4	5	>99.7
LOLLM30-632.8	632.8	30	5	>99.7
LOLLM20-1064	1064	20	4	>99
LOLLM30-1064	1064	30	5	>99
LOLLM35-1064	1064	35	5	>99
LOLLM50-1064	1064	50	5	>99
LOLLM25.4-1550	1550	25.4	5	>99
LOLLM30-1550	1550	30	5	>99
LOLLM25-10600	10600	25	5	>98
LOLLM30-10600	10600	30	5	>98

High Energy Laser Mirrors



Substrate	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	20-10
Surface Flatness	λ/10@632.8nm
Centration	<3 arc min
Clear Aperture	>80%
Beveling	0.25mm×45°

Product List:

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)	Reflectance R (%)	Damage Threshold
LOHL20-355	355	20	4	>99%±0.3%	5J/cm² 10ns pulse
LOHL25.4-355	355	25.4	5	>99%±0.3%	5J/cm² 10ns pulse
LOHL30-355	355	30	5	>99%±0.3%	5J/cm² 10ns pulse
LOHL20-532	532	20	4	>99.5%±0.3%	15J/cm² 10ns pulse
LOHL25.4-532	532	25.4	5	>99.5%±0.3%	15J/cm² 10ns pulse
LOHL30-532	532	30	5	>99.5%±0.3%	15J/cm² 10ns pulse
LOHL20-632.8	632.8	20	4	>99%±0.3%	10J/cm² 10ns pulse
LOHL25.4-632.8	632.8	25.4	5	>99%±0.3%	10J/cm² 10ns pulse
LOHL30-632.8	632.8	30	5	>99%±0.3%	10J/cm² 10ns pulse
LOHL20-1064	1064	20	4	>99.5%±0.3%	20J/cm² 10ns pulse
LOHL25.4-1064	1064	25.4	5	>99.5%±0.3%	20J/cm² 10ns pulse
LOHL30-1064	1064	30	5	>99.5%±0.3%	20J/cm² 10ns pulse
LOHL20-1053	1053	20	4	>99.5%±0.3%	20J/cm² 10ns pulse
LOHL25.4-1053	1053	25.4	5	>99.5%±0.3%	20J/cm² 10ns pulse
LOHL30-1053	1053	30	5	>99.5%±0.3%	20J/cm² 10ns pulse

Broadband Dielectric Mirrors

Substrate	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	20-10
Surface Flatness	λ/10@632.8nm
Centration	<3 arc min
Clear Aperture	>80%
Beveling	0.25mm×45°
Reflection	>99%

Wavelength A1: 400-700nm

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LODM6-3A1	400-700	6.00	3.00
LODM9-3A1	400-700	9.00	3.00
LODM12.7-3A1	400-700	12.70	3.00
LODM18-3A1	400-700	18.00	3.00
LODM20-3A1	400-700	20.00	3.00
LODM25.4-3A1	400-700	25.40	3.00
LODM30-5A1	400-700	30.00	5.00
LODM40-5A1	400-700	40.00	5.00
LODM50-5A1	400-700	50.00	5.00
LODM50-8A1	400-700	50.00	8.00
LODM80-5A1	400-700	80.00	5.00

Square Windows - A1 (400-700nm):

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LODMS6-3A1	400-700	6.00×6.00	3.00
LODMS9-3A1	400-700	9.00×9.00	3.00
LODMS12.7-3A1	400-700	12.70×12.70	3.00
LODMS25.4-5A1	400-700	25.40×25.40	5.00
LODMS30-5A1	400-700	30.00×30.00	5.00

Wavelength A2: 650-1050nm

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LODM6-3A2	650-1050	6.00	3.00
LODM9-31A2	650-1050	9.00	3.00
LODM12.7-31A2	650-1050	12.70	3.00
LODM18-31A2	650-1050	18.00	3.00
LODM20-31A2	650-1050	20.00	3.00
LODM25.4-31A2	650-1050	25.40	3.00
LODM30-5A2	650-1050	30.00	5.00
LODM40-5A2	650-1050	40.00	5.00
LODM50-5A2	650-1050	50.00	5.00

Square Windows - A2 (650-1050nm):

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LODMS6-3A2	650-1050	6.00×6.00	3.00
LODMS9-3A2	650-1050	9.00×9.00	3.00
LOBDMS12.7-3A2	650-1050	12.70×12.70	3.00
LOBDMS25.4-5A2	650-1050	25.40×25.40	5.00
LOBDMS30-5A2	650-1050	30.00×30.00	5.00

Wavelength A3: 400-1100nm

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LODM6-3A3	400-1100	6.00	3.00
LODM9-3A3	400-1100	9.00	3.00
LODM12.7-3A3	400-1100	12.70	3.00
LODM18-3A3	400-1100	18.00	3.00
LODM20-3A3	400-1100	20.00	3.00
LODM25.4-4A3	400-1100	25.40	5.00
LODM30-5A3	400-1100	30.00	5.00
LODM40-5A3	400-1100	40.00	5.00
LODM50-5A3	400-1100	50.00	5.00

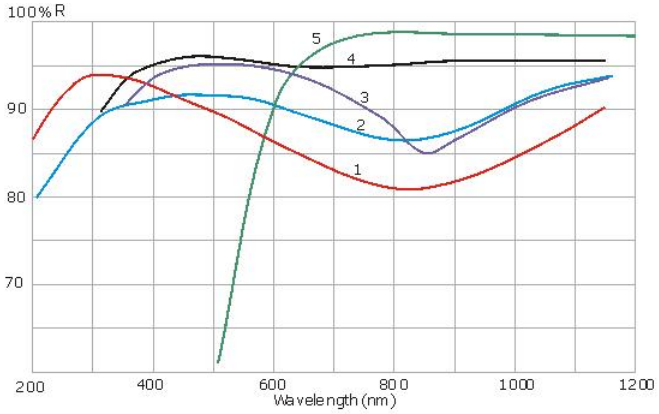
Square Windows - A3 (400-1100nm):

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LODMS6-3A3	400-1100	6.00×6.00	3.00
LODMS9-3A3	400-1100	9.00×9.00	3.00
LODMS12.7-3A3	400-1100	12.70×12.70	3.00
LODMS25.4-5A3	400-1100	25.40×25.40	5.00
LODMS30-5A3	400-1100	30.00×30.00	5.00

Flat Metallic Mirrors

The main advantage of metallic mirror coatings is their broadband reflection, relatively unaffected by wavelength and incident angle. However, metallic mirrors have lower reflectance and softer surfaces that are more difficult to clean. A protective coating (MgF_2 or SiO) is typically applied to aluminum mirrors.

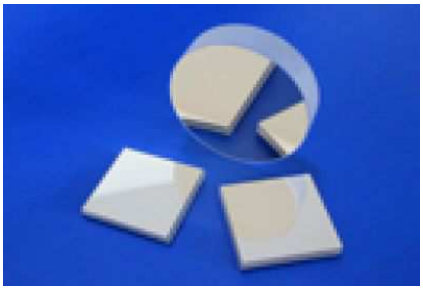
Metallic Mirror Reflectance Reference Curves:

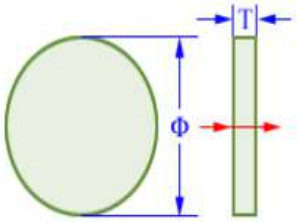


1. UV Enhanced AL
2. Protected AL
3. VIS Enhanced AL
4. Protected Siliver
5. Protected Gold

Protected AL Reflected Mirrors

Protected aluminum mirrors feature a MgF_2 and SiO coating layer to protect against oxidation and scratching. Aluminum m





Substrate	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	60-40
Surface Flatness	λ/2@632.8nm
Centration	<3 arc min
Clear Aperture	>80%
Beveling	0.25mm×45°
Coatings	AL Coating, R>85%

Round Mirrors (400-2000nm):

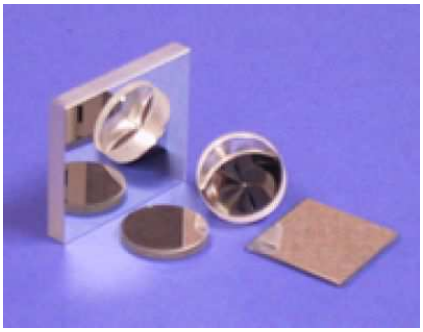
Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LOALM6-3	400-700	6.00	3.00
LOALM9-3	400-700	9.00	3.00
LOALM12.7-3	400-700	12.70	3.00
LOALM18-3	400-700	18.00	3.00
LOALM20-3	400-700	20.00	3.00
LOALM25.4-3	400-700	25.40	3.00
LOALM30-5	400-700	30.00	5.00
LOALM40-5	400-700	40.00	5.00
LOALM50-5	400-700	50.00	5.00
LOALM50-8	400-700	50.00	8.00
LOALM80-5	400-700	80.00	5.00

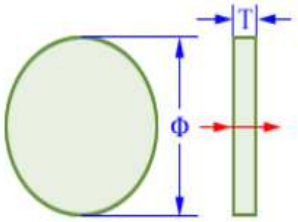
Square Mirrors (Size marked with *):

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LOALMS6-3	400-700	6.00×6.00	3.00
LOALMS9-3	400-700	9.00×9.00	3.00
LOALMS12.7-3	400-700	12.70×12.70	5.00
LOALMS25.4-5	400-700	25.40×25.40	5.00
LOALMS30-5	400-700	30.00×30.00	5.00

Enhanced AL Reflected Mirrors

Enhanced aluminum mirrors feature multi-layer dielectric coatings on top of the aluminum base to enhance reflectance at





Substrate	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	40-20
Surface Flatness	λ/4@632.8nm
Centration	<3 arc min
Clear Aperture	>80%
Beveling	0.25mm×45°
Coatings	Enhanced AL Coating, R>90%

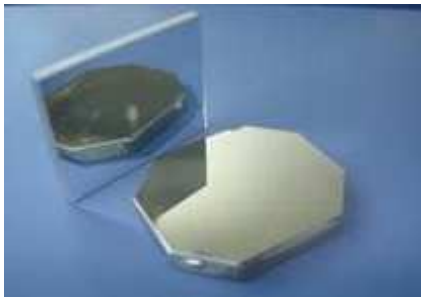
Round Mirrors:

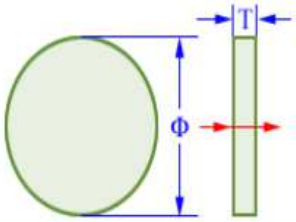
Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LOEAM6-3	400-700	6.00	3.00
LOEAM6-3-U	200-400	6.00	3.00
LOEAM9-3	400-700	9.00	3.00
LOEAM9-3-U	200-400	9.00	3.00
LOEAM12.7-3	400-700	12.70	3.00
LOEAM12.7-3-U	200-400	12.70	3.00
LOEAM18-3	400-700	18.00	3.00
LOEAM18-3-U	200-400	18.00	3.00
LOEAM20-3	400-700	20.00	3.00
LOEAM20-3-U	200-400	20.00	3.00
LOEAM25.4-3	400-700	25.40	3.00
LOEAM25.4-3-U	200-400	25.40	3.00
LOEAM30-5	400-700	30.00	5.00
LOEAM30-5-U	200-400	30.00	5.00
LOEAM40-5	400-700	40.00	5.00
LOEAM40-5-U	200-400	40.00	5.00
LOEAM50-5	400-700	50.00	5.00
LOEAM50-5-U	200-400	50.00	5.00
LOEAM50-8	400-700	50.00	8.00
LOEAM50-8-U	200-400	50.00	8.00
LOEAM80-5	400-700	80.00	5.00
LOEAM80-5-U	200-400	80.00	5.00

Square Mirrors (Size marked with *):

Protected Silver Reflected Mirrors

Protected silver mirrors offer more stable performance and higher reflectance compared to aluminum mirrors. Silver mirro





Substrate	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	40-20
Surface Flatness	λ/4@632.8nm
Centration	<3 arc min
Clear Aperture	>80%
Beveling	0.25mm×45°
Coatings	Protected Ag Coating, R>95%

Round Mirrors (400-2000nm):

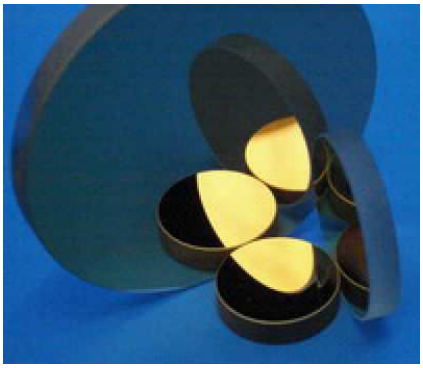
Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LOAGM6-3	400-2000	6.00	3.00
LOAGM9-3	400-2000	9.00	3.00
LOAGM12.7-3	400-2000	12.70	3.00
LOAGM18-3	400-2000	18.00	3.00
LOAGM20-3	400-2000	20.00	3.00
LOAGM25.4-3	400-2000	25.40	3.00
LOAGM30-5	400-2000	30.00	5.00
LOAGM40-5	400-2000	40.00	5.00
LOAGM50-5	400-2000	50.00	5.00
LOAGM50-8	400-2000	50.00	8.00
LOAGM80-5	400-2000	80.00	5.00

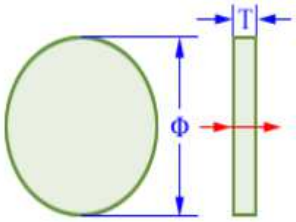
Square Mirrors (Size marked with *):

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LOAGMS6-3	400-2000	6.00×6.00	3.00
LOAGMS9-3	400-2000	9.00×9.00	3.00
LOAGMS12.7-3	400-2000	12.70×12.70	5.00
LOAGMS25.4-5	400-2000	25.40×25.40	5.00
LOAGMS30-5	400-2000	30.00×30.00	5.00

Protected Gold Mirrors

Compared to other metallic mirrors, gold mirrors offer higher reflectance, especially in the 1-2 μm infrared range where re





Substrate	H-K9L (BK7)
Diameter Tolerance	±0.15mm
Thickness Tolerance	±0.10mm
Surface Quality	40-20
Surface Flatness	λ/4@632.8nm
Centration	<3 arc min
Clear Aperture	>80%
Beveling	0.25mm×45°
Coatings	Protected Au Coating, R>98%

Round Mirrors (800-2000nm):

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LOAUM6-3	800-2000	6.00	3.00
LOAUM9-3	800-2000	9.00	3.00
LOAUM12.7-3	800-2000	12.70	3.00
LOAUM18-3	800-2000	18.00	3.00
LOAUM20-3	800-2000	20.00	3.00
LOAUM25.4-3	800-2000	25.40	3.00
LOAUM30-5	800-2000	30.00	5.00
LOAUM40-5	800-2000	40.00	5.00
LOAUM50-5	800-2000	50.00	5.00
LOAUM50-8	800-2000	50.00	8.00
LOAUM80-5	800-2000	80.00	5.00

Square Mirrors (Size marked with *):

Part Number	Wavelength (nm)	Diameter Φ (mm)	Thickness T (mm)
LOAUMS6-3	800-2000	6.00×6.00	3.00
LOAUMS9-3	800-2000	9.00×9.00	3.00
LOAUMS12.7-3	800-2000	12.70×12.70	5.00
LOAUMS25.4-5	800-2000	25.40×25.40	5.00
LOAUMS30-5	800-2000	30.00×30.00	5.00