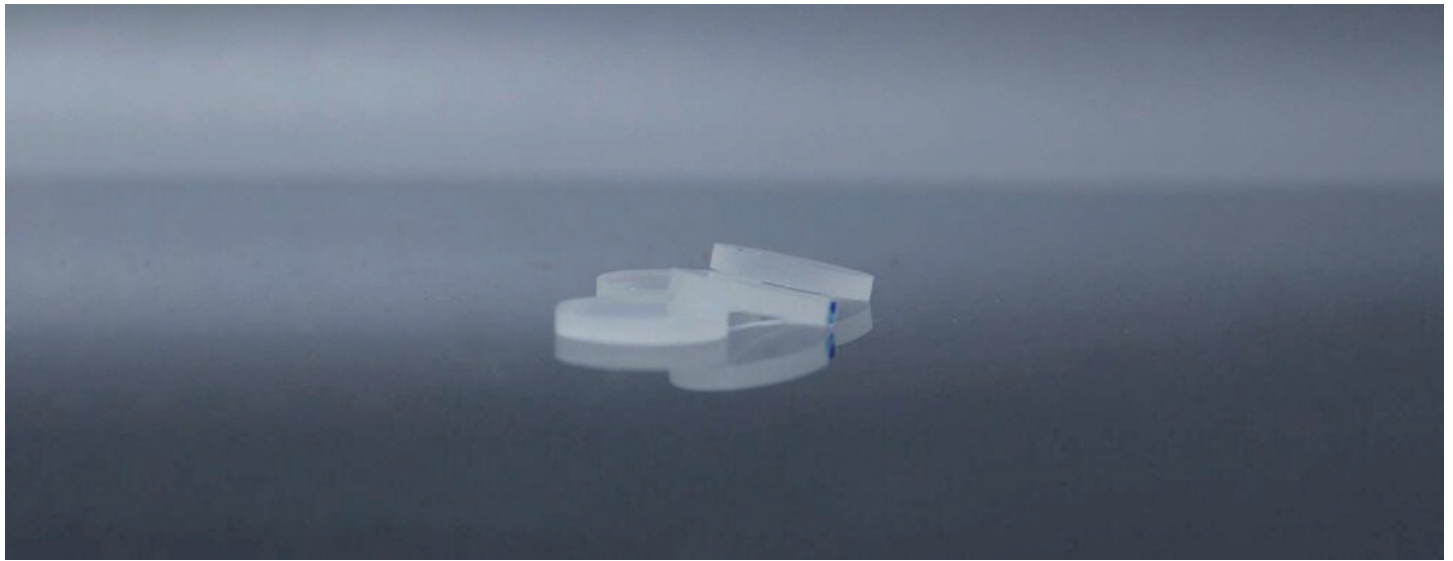


Nd:YAG Laser-1064nm-Laser Mirror



DESCRIPTION

High-quality mirrors used in 1064nm laser resonators and other optical devices, Nd: YAG laser line mirrors can be made of BK7, low-absorbing fused silica material, with extremely low thermal expansion coefficient, good optical properties and high damage threshold, Mirrors need to be insensitive to temperature in high power laser applications. Using precision polishing technology, electron beam multi-layer media or ion beam sputtering coating technology, the lens has ultra-high surface optical quality, reflectivity >99.8%, can withstand high light intensity, and has a high damage threshold.

PROCESSING INDEX

Parallelism	10 ″
Perpendicularity	5 ′
Surface Finish	20-10
Flatness	$\lambda / 8 @ 632 \text{ nm}$
Clear Aperture	> 85% central area
Chamfer	0.2mm-0.5mm @ 45°
Dimensional Accuracy	$\pm 0.05\text{mm}$
Thickness/Diameter Tolerance	(0,-0.1)mm
Damage Threshold	$>10 \text{ J/cm}^2 @ 1064\text{nm } 10\text{ns } 10 \text{ Hz}$



Nd:YAG Laser-1064nm-Laser Mirror

PRODUCT LIST - FUSED SILICA (MATERIAL OPTIONAL)

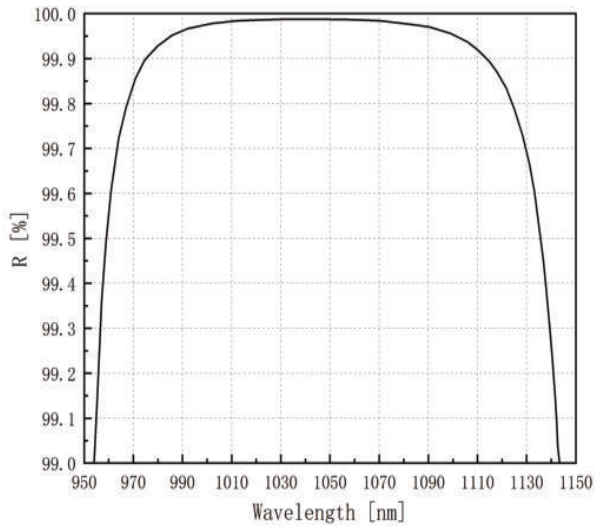
Model	Size	Form	Coating
CL-LM11062-127	∅ =12.7mm t =6.35mm	Front Side (S2) plane Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11062-254	∅ =25.4mm t =6.35mm	Front Side (S2) plane Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11062-381	∅ =38.1mm t =6.35mm	Front Side (S2) plane Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11007-127	∅ =12.7mm t = 6.35 mm	Front Side (S2) concave r =100 mm (±0.5%) Rear Side (S3) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11007-254	∅ =25.4mm t =6.35mm	Front Side (S2) concave r =100 mm (±0.5%) Rear Side (S3) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11007-381	∅ =25.4mm t =6.35mm	Front Side (S2) concave r =100 mm (±0.5%) Rear Side (S3) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11009-127	∅ =12.7mm t = 6.35 mm	Front Side (S2) convex r =200 mm (±0.5%) Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11009-254	∅ =25.4mm t =6.35mm	Front Side (S2) convex r =200 mm (±0.5%) Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11009-381	∅ =38.1mm t =6.35mm	Front Side (S2) convex r =200 mm (±0.5%) Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11008-127	∅ =12.7mm t = 6.36 mm	Front Side (S2) concave r =400 mm (±0.5%) Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11008-254	∅ =25.4mm t =6.35mm	Front Side (S2) concave r =400 mm (±0.5%) Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%
CL-LM11008-381	∅ =38.1mm t =6.35mm	Front Side (S2) concave r =400 mm (±0.5%) Rear Side (S1) plane	Front Side (S2) HR(0°,1030-1064nm)>99.9%



Nd:YAG Laser-1064nm-Laser Mirror

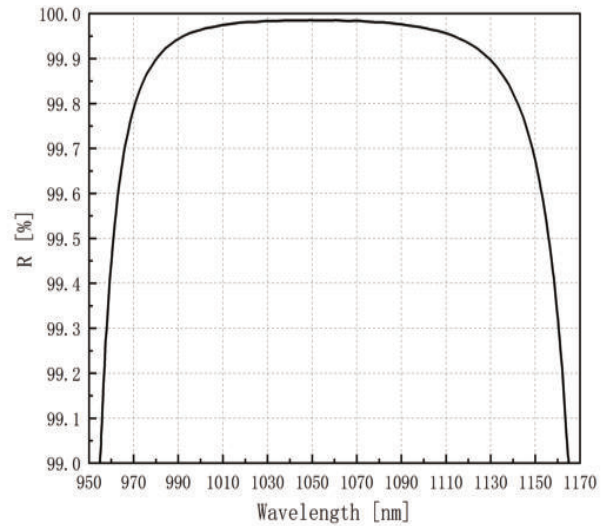
SPECTRUM

CL-LM11062



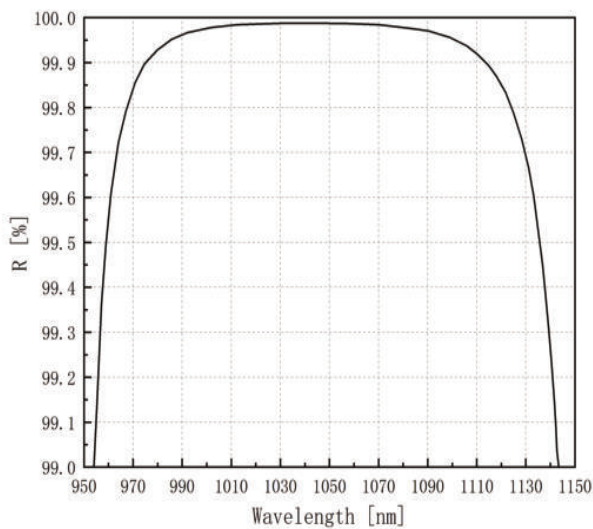
HR(0°,1030-1064nm)>99.9%

CL-LM11007



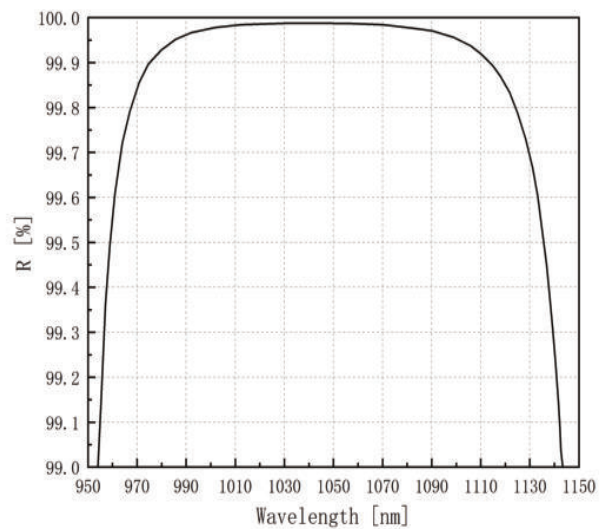
HR(0°,1030-1064nm)>99.9%

CL-LM11009



HR(0°,1030-1064nm)>99.9%

CL-LM11008



HR(0°,1030-1064nm)>99.9%

