

Yb:YAG Laser-1030nm-Laser Window



DESCRIPTION

Our window mirror is an optical product with good comprehensive performance. Window mirrors are used to isolate the physical space while allowing light to pass through, and windows are usually AR-coated to reduce light energy loss. Our laser window mirror uses sapphire as the base material, and its working wavelength range is 355nm~2940nm. The front and back surfaces of the laser window mirrors are coated with anti-reflection coatings. For natural light with an incident angle of 0° or 45°, their reflectivity can be as low as 0.25% or less, and their performance is excellent.

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 J/cm ² @ 1064nm 10ns 10 Hz



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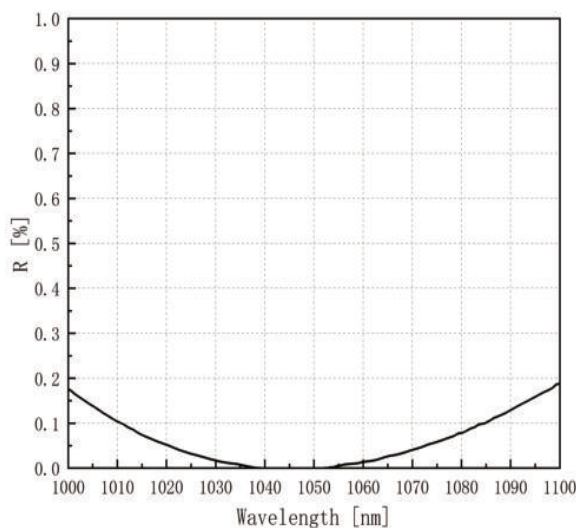
PRODUCT LIST-INFASIL 302 (MATERIAL OPTIONAL)

Model	Size	Form	Coating
CL-LW11003	$\varnothing = 25 \text{ mm}$ $t = 1 \text{ mm}$	Front Side (S2) plane Rear Side (S1) plane	Front Side (S2) AR(0°,1030-1064nm)<0.15% Rear Side (S1) AR(0°,1030-1064nm)<0.15%
CL-LW11004	$\varnothing = 25 \text{ mm}$ $t = 3.05 \text{ mm}$	Front Side (S2) plane Rear Side (S1) plane	Front Side (S2) AR(0°,515-532nm)<0.5% AR(0°,1030-1064nm) Rear Side (S1) AR(0°,515-532nm)<0.5% AR(0°,1030-1064nm)

SPECTRUM

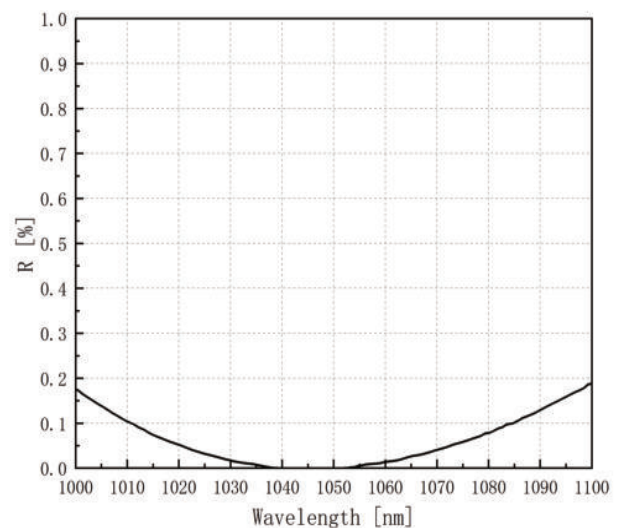
CL-LW11003

Front Side (S2)



AR(0°,1030-1064nm)<0.15%

Rear Side (S1)



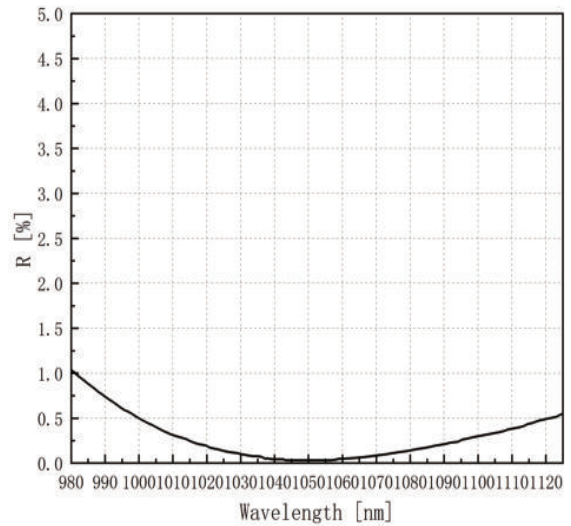
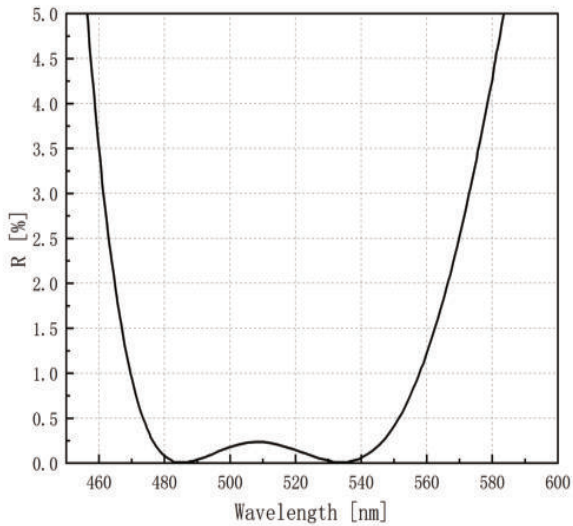
AR(0°,1030-1064nm)<0.15%



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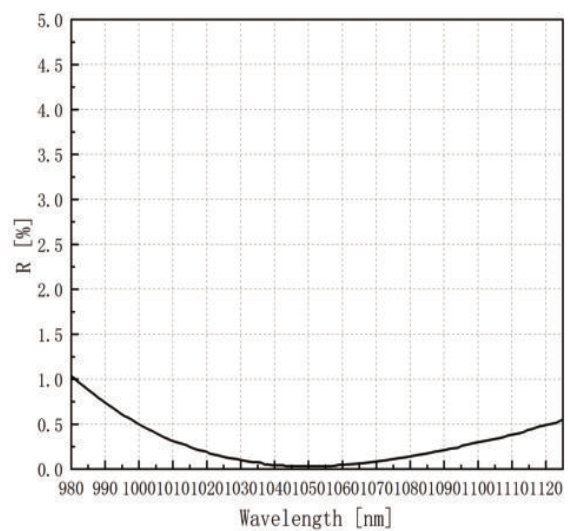
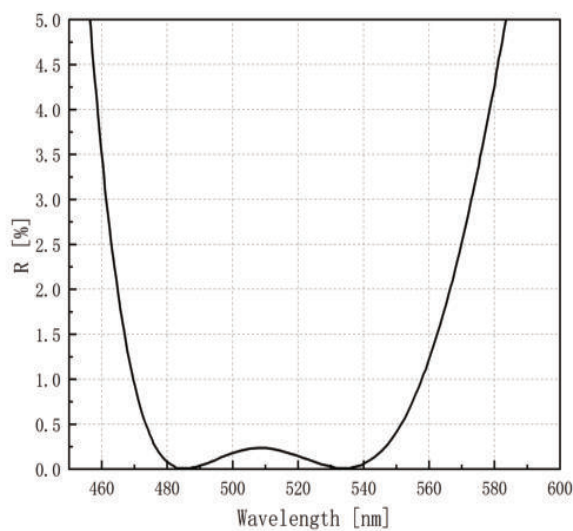
CL-LW11004

Front Side (S2)



AR(0°,515-532nm)<0.5%, AR(0°,1030-1064nm)

Rear Side (S1)



AR(0°,515-532nm)<0.5%, AR(0°,1030-1064nm)

