

Er:YAG Crystal

Main Specifications	
Dimensions	Length 50 ~ 120 mm (± 0.5 mm)
	Diameter 3 ~ 6 mm (+0.00, -0.05 mm)
Er Concentration	~ 50 atm%
Orientation	[111] ($\pm 1^\circ$)
Distinction Ratio	≥ 25 dB
Wavefront Distortion	$\lambda/8$ per inch @ 1064 nm
Barrel Finish	Fine ground (400#)
End Surface Parallelism	$\leq 10''$
Perpendicularity	$\leq 5'$
End Surface Flatness	$\lambda/10$ @ 633 nm
End Surface Quality	10-5 [s-d] (MIL-PRF-13830B)
Chamfer	0.15 \pm 0.05 mm @ 45°
Coating	AR (R<0.25% @ 2940 nm)

