



ALIGO RTP crystals for Phase Modulators

AUTHOR:	CHECKED:	DATE	APPROVALS		
			DCN NO.	REV	DATE
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Requirements

Material	Rubidium titanyl phosphate (RbTiOPO ₄)
Orientation	Long dimension along Y-axis, short dimensions along X- and Z-axis.
Dimensions	40 x 4 x 4 mm
Flatness	lambda/10 wave at 633 nm wavelength
End faces wedged against Z-axis	2.85° ± 0.1°
Surface Quality	10 - 5 scratch-dig per MIL-0-13830A
Reflectivity - AR coating for 1064nm on faces	< 0.05%

Measurement Matrix - Frequency and Method

Specification	Test Method	Frequency of Inspection	Data Delivered
Physical Dimensions	Visual Inspection	100%	Height, Width and Length
Material	Process Control Material Certification	100%	Certification
Absorption at 1.06 μm	Measure thermal lensing	100%	Effective thermal lens