

PTP CRYSTALS

For electro-optical application, RTP does not induce piezo-electric ringing with electrical signals up to the MHz range. More over, its has large E-O coefficients, high electrical resistivity, and high damage threshold making it an excellent material for E-O Q-switch at high repetition rates.

RTP crystal may also be used for second harmonic generation of $\sim 1~\mu m$ or in optical parametric processes to generate 3 μm .



Specification	
Dimension Tolerance	±0.1mm
Flatness	<λ/8 @633nm
Surface Quality	10 / 5
Parallelism	better than 30 arc sec.
Perpendicularity	better than 30 arc min.
Angle Tolerance	△θ< 0.5°, △Φ< 0.5°
Coating	AR coatings
Clear Aperture	>90% central area
Transmitting Wavefront Distortion	less than λ8 @ 633nm Dimension