



MAIN FEATURES

- Non hygroscopic
- Large electro-optic coefficient
- No piezo- or pyroelectric effects

APPLICATIONS

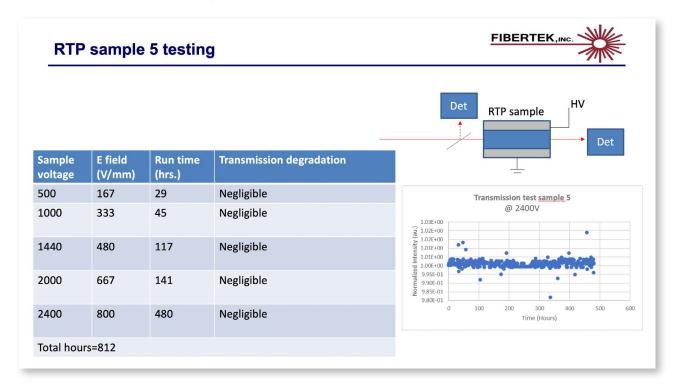
- Phase-modulation
- Single-frequency lasers
- Amplitude modulation

WHAT MAKES US DIFFERENT?

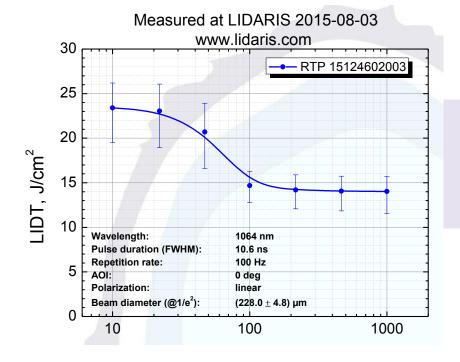
- No long-term degradation under HV
- Very precise orientation of optical axes
- Deposited gold electrodes on Z-sides on request
- Available in cross-sections up to 15x15mm²
- Available length up to 40mm

TECHNICAL HIGHLIGHTS

Stability of Cristal Laser's RTP under static voltage- courtesy of Fibertek, USA: no degradation under 8kV/cm over 500 hours



TECHNICAL HIGHLIGHTS



Typical laser damage curve of AR-coated RTP substrates:

threshold > 10J/cm² at 1064nm, S on 1

SPECIFICATIONS

Aperture	Up to 15x15mm ²
Flatness	<λ/10 @633nm
Wavefront distortion	<λ/4 @ 633nm for a 20mm-long crystal
Parallelism	Down to 5"
Perpendicularity	Down to 5 arc min.
Orientation of X- and Z-axes	Better than 0.1°
Bulk absorption	<100 ppm/cm@1064nm
Scratch and dig	<2/1
Damage threshold	> 10J/cm ² @ 1064nm, 10ns, 10Hz