



RTP

Rubidium Titanyle Phosphate - RTiPO_4

MAIN FEATURES

- High damage threshold
- No «grey-track»
- Large angular acceptance In the XY plane

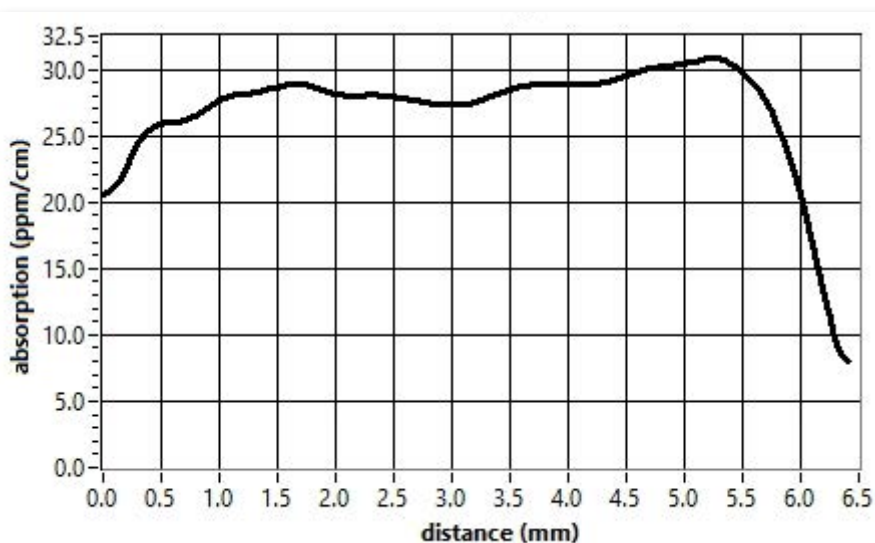
APPLICATIONS

- Green / yellow CW lasers
- OPO signal around $1.6\mu\text{m}$ when pumped at $1.06\mu\text{m}$ and non-critically phase-matched (X-cut).

WHAT MAKES US DIFFERENT?

- Low bulk absorption: $<100\text{ppm/cm}$ at 1064nm
- Coating damage threshold $>10\text{J/cm}^2@1064\text{nm}$, 10ns ($>1\text{GW/cm}^2$)
- High bulk material homogeneity

TECHNICAL HIGHLIGHTS

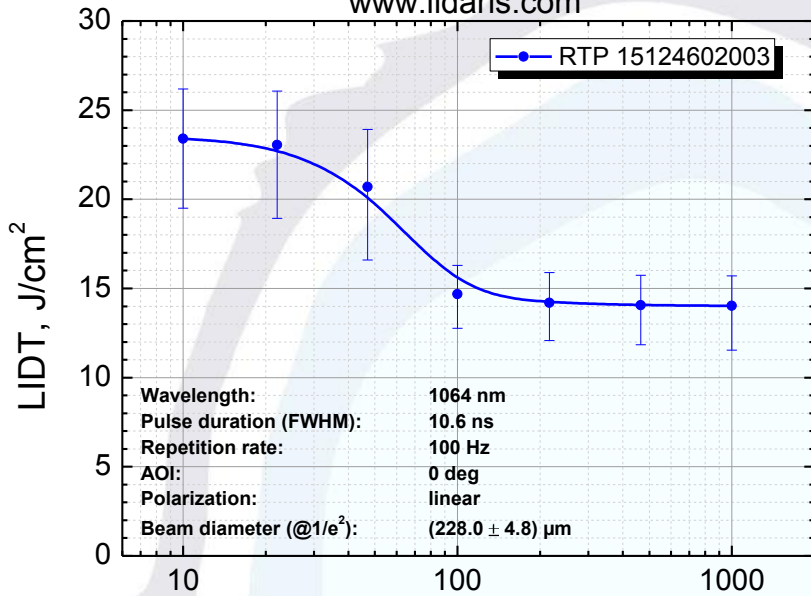


**Bulk absorption
measurement at $1.07\mu\text{m}$:**

typical value is 30ppm/cm

TECHNICAL HIGHLIGHTS

Measured at LIDARIS 2015-08-03
www.lidaris.com



Typical laser damage curve of AR-coated RTP substrates:

threshold > 10J/cm² at 1064nm, S on 1

SPECIFICATIONS

Aperture	Up to 15x15mm²
Flatness	<λ/10 @633nm
Wavefront distortion	<λ/8 @633nm
Parallelism	Down to 5"
Perpendicularity	Down to 5 arc min.
Scratch and dig	<2/1
Bulk absorption	<100 ppm/cm@1064nm
Damage threshold	>10J/cm²@1064nm, 10ns 10Hz

Ordering Information:



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Email orders to: sales@xsoptix.com
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