



KTP Potassium Titanyle Phosphate - KTiOPO,

MAIN FEATURES

- Small walk-off angle in the XY plane
- High non-linear optical efficiency
- Broad temperature acceptance

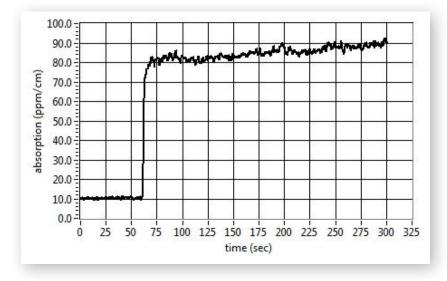
APPLICATIONS

- Mid-high average power eye-safe lasers
- Pulsed or CW green medical lasers
- OPO systems for detection or space applications

WHAT MAKES US DIFFERENT?

- Available in a grey-track resisting version: KTP.fr ™
- Each part is tested for optical and non-linear homogeneity on a standardized laser bench
- Low bulk absorption: <100ppm/cm at 1064nm
- High damage threshold of bulk and coatings
- Available in cross-section up to 20x20mm² and up to 35mm in length
- Large manufacturing capacity of OPO crystals

TECHNICAL HIGHLIGHTS



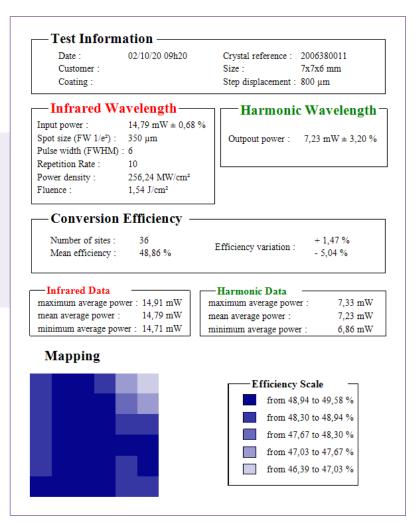
Green-Induced Absorption scan at 1064nm of KTP.fr™ crystal:

material doesn't develop grey-track under 532nm-illumination.

TECHNICAL HIGHLIGHTS

OPO efficiency test report, based on our standardized laser bench:

efficiency variation stays within less than 10% from mean value.



	ER DAMAGE CERT	IFICATION		
PASS				
632.5 MW/cm ² or 11.3 J/cm ²				Laser-induced Damage
Customer: Purchase Order No:	Quantel USA N/A	Certificate No.: Issued:	180011E #1 10/11/2018	threshold certification :
Substrate Material: Part No:	КТР 91720003	Coating Type: Run Number: Tested On:	AR 404580001 Arrow Side	Pass > 10J/cm², 1064nm
Special Requirements	s: Per BSLT-172			
Wavelength (nm): Rep. Freq. (Hz): Pulse Width (ns): Axial Modes: No. Sites:	1064 20 16.0 Multiple 1	Spot Diam. (mm): Incidence Ang. (deg.) Polarization State: Transverse Modes: No. Shots/Site:	0.371 :Normal Linear TEMoo >10,000	

SPECIFICATIONS

Aperture	Up to 25x25mm ²		
Length	Up to 35mm		
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/cm ² @1064nm, 10ns 10Hz		

