

## KTP Types - Comparison

	<b>KTP</b>	<b>SKTP New</b>	<b>HGTR</b>
Bulk Absorption 1064 (ppm/cm)	300	75	50
Bulk Absorption 532 (ppm/cm)	3000	250	150
Gray Tracking (change of SHG absorption in 532 GRIIRA 600 Sec) ppm/cm*	2000	200	150
Max Aperture (mm <sup>2</sup> )	50X50	25X25	6X6
Peak LIDT 1064 (MW/cm <sup>2</sup> ) (10ns, 10Hz)	600	600	600
Ave. Power Density 1064 (W/cm <sup>2</sup> ) Threshold	300	3000	4000
Ave. Power Density 532 (W/cm <sup>2</sup> ) Threshold	10	2000	2500
Resistivity (Ohm.cm)	10 <sup>7</sup>	10 <sup>9-10</sup>	10 <sup>10-11</sup>

\*Curve dynamics time depends of absorption in the crystal bulk at 532 nm-radiation under self-radiation (532nm). This parameter indicates the effectiveness and gray tracking resistance of the crystals.

This suggests the crystal's life time - the smaller the value, the longer the expected lifetime.

**Raicol Crystals, founded in 1995, is a global leader in nonlinear and EO crystal growth, fabrication and assembly. Raicol offers a unique set of benefits to its customers:**

- 50 years of crystal growth know-how and experience
- Global pioneers of RTP, HGTR KTP and PPKTP crystal production and assembly
- One-stop shop, from crystal growth and coating, through to EO cell assembly
- Capabilities for both mass-production and small R&D quantities
- Fast delivery time
- Unmatched crystal quality
- Custom designs available upon request