

HGTR KTP Q-Switch

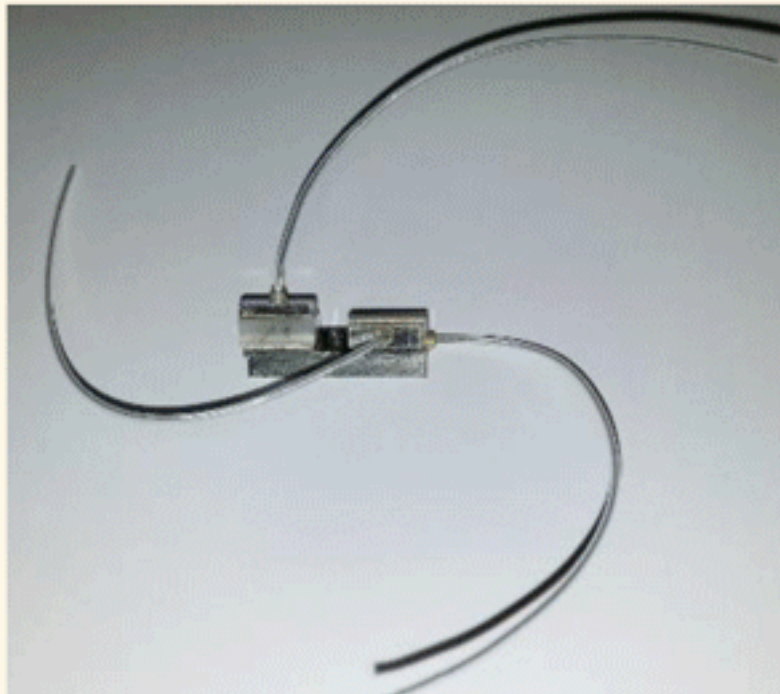
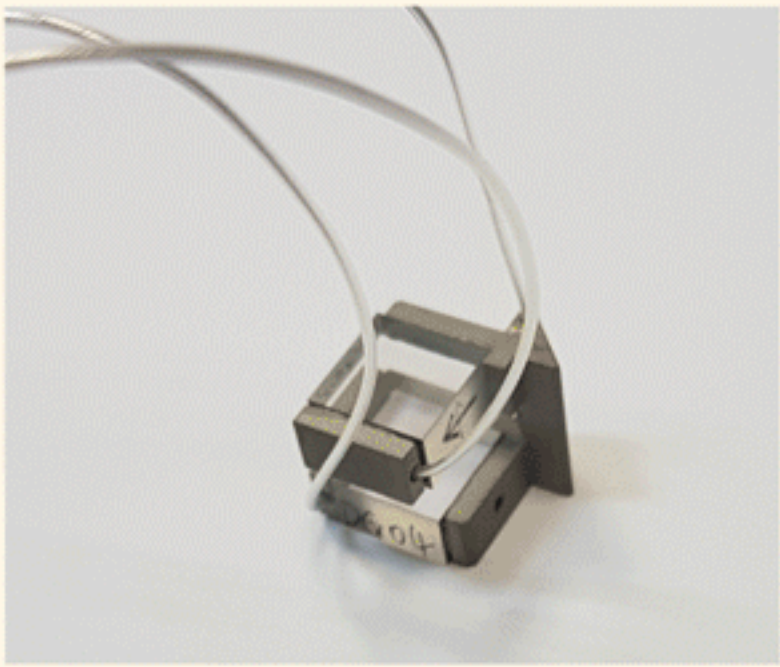
HGTR KTP has high resistivity and high damage threshold. It is suitable for making electro-optic devices with excellent properties and achievable price.

Typical Applications:

1. Q-switching.
2. E-O modulator.
3. Pulse picking.

Advantages:

1. Not hygroscopic and no need for protective windows.
2. Low half-wave voltage.
3. Low insertion loss.
4. Wide optical bandwidth.
5. High laser induced damage threshold.
6. No piezoelectric ringing allow to use in high repetition rate laser.
7. Thermally birefringence compensated design to operate in a large temperature range (-20°C – 70°C).



Specifications	HGTR KTP Q-switch
Transmission at 1064[nm]	>98.5
Aperture	From 2mm*2mm to 10mm*10mm
AR Coating	R<0.2@1064[nm]
Damage threshold	> 600MW/cm ² at 1064[nm], for 10 ns pulses.

Electro Optic properties

	X-cut		Y-cut		resistivity
	HWV @1064[nm]	Extinction ratio @633[nm]	HWV @1064[nm]	Extinction ratio @633[nm]	
	V	dB	V	dB	
Pair of 3*3*10mm	1200	>20	1000	>20	> 10 ¹¹
Pair of 4*4*10mm	1600	>20	1300	>20	> 10 ¹¹
Pair of 5*5*10mm	2000	>20	1600	>20	> 10 ¹¹
Pair of 6*6*10mm	2300	>20	1900	>20	> 10 ¹¹
Pair of 7*7*10mm	2700	>20	2200	>20	> 10 ¹¹
Pair of 8*8*10mm	3100	>20	2500	>20	> 10 ¹¹
Pair of 9*9*10mm	3500	>20	2800	>20	> 10 ¹¹

