



H-KTP switch :

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H-KTP crystals are grown by hydrothermal method, which overcomes the common defects of common molten salt method KTP crystals - "gray track (Gray Track)" phenomenon, has high resistance to laser damage threshold and high resistance to gray track, and can be stable for a long time It is suitable for laser systems with medium and high power, high repetition rate and high conversion efficiency.

H-KTP crystal has good electro-optic effect and can be used as electro-optic Q-switch and electro-optic modulation switch (Pockels cell) .

Main features :

- low insertion loss
- low half wave voltage
- not deliquescent
- wide light transmission band
- High resistance to laser damage threshold
- No piezoelectric ringing effect
- Wide automatic temperature compensation range

Typical application :

- Electro-optic Q-switching
- pulse pickup
- electro-optic modulation

Product Specifications:

Product number	Clear aperture	Shell size (according to customer design)	quarter wave voltage	capacitance
OCP 4-2542-10K-4-4	3.5mm __	D25 × 42mm _	1000V at 20°C	<4pF
OCP - 6-252-20K-6-4	5.5 mm __	D25 × 42mm _	2000V at 20°C	< 6 pF
Extinction Ratio	>150:1			

Optical properties:

Crystal size	X-cut		Y-cut		resistance
	Half wave	Extinction	Half wave	Extinction	
	V	dB	V	dB	Ohm.cm
3*3*10mm (pairs)	1200	>20	1000	>20	>10 11
4*4*10mm(pairs)	1600	>20	1300	>20	>10 11
5*5*10mm(pairs)	2000	>20	1600	>20	>10 11
6*6*10mm(pairs)	2300	>20	1900	>20	>10 11
7*7*10mm(pairs)	2700	>20	2200	>20	>10 11
8*8*10mm(pairs)	3100	>20	2500	>20	>10 11
9*9*10mm(pairs)	3500	>20	2800	>20	>10 11



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