

Optical Properties:

	HRKTP	BBO	LiNbO3	KD*P	RTP
$V_{\pi}(4x4x20mm)$	~1400V	~4800V	~950V	~3400V	~1400V
Contrast Ratio	20dB	40dB	25dB	30dB	20dB
Capacitance	5 pF	<2pF	20 pF	7~10pF	6pF
Electrical Resistivity	10^{11} -- 10^{12} W.cm	10^{12} -- 10^{13} W.cm		10^9 — 10^{10} W.cm	10^{11} -- 10^{12} W.cm
Transmitting range:	350 nm - 4500 nm	189-3500 nm	420nm-5200nm	200-1600nm	350~4500 nm
Electro-optic coefficients:	$r_{13} = 9.5 \text{ pm/V}$ $r_{23} = 15.7 \text{ pm/V}$ $r_{33} = 36.3 \text{ pm/V}$ $r_{42} = 7.3 \text{ pm/V}$ $r_{51} = 9.3 \text{ pm/V}$	$\gamma_{11} = 2.7 \text{ pm/V}$, $\gamma_{22}, \gamma_{31} < 0.1\gamma_{11}$	$\gamma_{33}^T = 32 \text{ pm/V}$, $\gamma_{33}^S = 31 \text{ pm/V}$, $\gamma_{31}^T = 10 \text{ pm/V}$, $\gamma_{31}^S = 8.6 \text{ pm/V}$, $\gamma_{22}^T = 6.8 \text{ pm/V}$, $\gamma_{22}^S = 3.4 \text{ pm/V}$,	$r_{41} = 8.8 \text{ pm/V}$ $r_{63} = 25 \text{ pm/V}$	$r_{13} = 10.6 \text{ pm/V}$ $r_{23} = 12.5 \text{ pm/V}$ $r_{33} = 38.5 \text{ pm/V}$
Ab.coef.@1064nm	$\alpha < 50 \text{ ppm}$	$\alpha < 1000 \text{ ppm}$	$\alpha < 1000 \text{ ppm}$	$\alpha < 1000 \text{ ppm}$	$\alpha < 500 \text{ ppm}$
Index @ 1064nm	$n_x = 1.7377$ $n_y = 1.7453$ $n_z = 1.8297$	$n_e = 1.5425$, $n_o = 1.6551$	$n_e = 2.156$, $n_o = 2.232$	$n_o = 1.4948, n_e = 1.4554$	$n_x = 1.7424$ $n_y = 1.8211$ $n_z = 1.7905$
damage threshold (10 ns):	8J/cm ²	13J/cm ²	2J/cm ²	10J/cm ²	8J/cm ²