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Electro-optical Crystals

Product Description:

Electro-optical Crystals has been widely used for electro-optic modulators and electro-optic deflectors. In service section, we give a specific example of polarization scrambler. It consists of two variable wave plates orientated at a 45 azimuth with each other. The variable wave plates could be LiNbO3 plates. Each wave pate has a maximum 2π phase retardation. You will see the polarization evolution on Poincare sphere surface. Here is the link (http://www.pmoptics.com/polarization_evolution.html).

We offer high quality beta-barium borate (β-BaB2O4), potassium titanyl phosphate (KTiOPO4 or KTP), lithium niobate (LiNbO3), potassium dihydrogen phosphate (KH2PO4 or KDP), lithium tantalite (LiTaO3) and lithium triborate (LiB3O5).

You may refer to this page (http://www.pmoptics.com/crystals.html) for material properties, example applications as well as other information.

Specifications:

Dimension Tolerance	±0.1mm
Orientation Tolerance	±0.5 degree
Surface Quality	20 ~ 10 Scratch/Dig
Flatness	$\lambda/8$ @ 632.8nm
Clear Aperture	> 90%
Parallelism	< 20 arc sec
Chamfer	~ 0.15mmx45°
Coating	Specified by customer