BBO Pockels Cells

BBO Pockels Cells target operating wavelengths from the UV to roughly 2 µm. BBO crystals handle shorter wavelengths, high average powers and high repetition rates better than other electro-optic materials, but typically require higher voltages to operate due to the relatively low electro-optic coefficient of BBO.

PBC06 Dual Crystal Series

These cells are transverse-field, dual-crystal, capacitive devices, suitable for both laboratory and OEM applications, typically at half-wave voltages.

Specifications

Mechanical aperture sizes	**3.5, 4.5 and 5.5mm**	**Quarter-wave voltage @1064nm**	**2.4, 3.1 and 3.6kV**
Standard application wavelengths	**1064nm**	**Capacitance**	**5pF**
	532nm		
	355nm	**Wave front distortion @1064nm**	**λ/8**
	266nm		
Transmission @1064nm	**> 97%**		
Extinction ratio @1064nm	**> 500 : 1**	**Damage thresholds @1064nm (*):**	
		Peak power, 10ns pulses	**> 500MW/cm^2**
Terminals	**Mini Banana Plugs**	**Average power (CW)**	**> 3kW/cm^2**

(*) Typical values, Inrad Optics does not offer warranty for optical damage

Dimensional Drawing