

Appearance **Electro optical Q-switch**



Description

BBO crystal has a broad transmission range from 210nm to 2000nm. Compared with DKDP and LiNbO3 crystal, BBO crystal performs better in high power handling because of its good shutoff switching properties although it has a small electro-optic coefficient. It's ideal for application of high average power and high repetition rate Q-switching and regenerative amplifier system.

Features

- Range through UV to NIR (210nm-2000nm)
- Low absorption loss
- Small piezoelectric ringing effect
- Good temperature stability
- High extinction ratio
- Small capacitance value, fast switching speed
- High repetition rate, repetition rate up to 100KHz

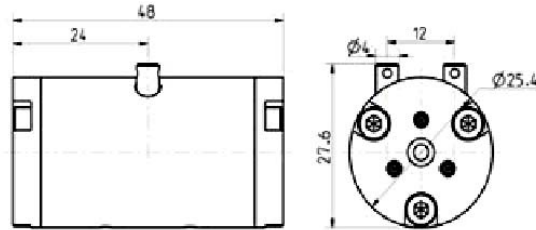
Application

- High repetition rate DPSS Q-Switch
- High repetition rate
- Regenerative Amplifier control
- Cavity Dumping
- Beam Chopper

Standard Specifications

P/N	Clear aperture (mm)	Transmission typical(%)	Extinction ratio (voltage-free)	$\Lambda/4$ -voltage	Capacity(PF)
BPC-3	2.6	98	>1000:1	3.5kV	≤ 3
BPC-4	3.6	98	>1000:1	4.9kV	≤ 3
BPC-5	4.6	98	>1000:1	5.9kV	≤ 3
BPC-6	5.6	98	>1000:1	7.3kV	≤ 3
BPC-3L	2.6	98	>1000:1	2.8kV	≤ 3
BPC-4L	3.6	98	>1000:1	3.9kV	≤ 3
BPC-5L	4.6	98	>1000:1	4.7kV	≤ 3
BPC-6L	5.6	98	>1000:1	5.8kV	≤ 3

Mechanical Dimension



KDP Pockels Cells DPC series

Features

- Range through UV to NIR (210nm-2000nm)
- Low absorption loss
- Small piezoelectric ringing effect
- Good temperature stability
- High extinction ratio
- Small capacitance value, fast switching speed
- High repetition rate, repetition rate up to 100KHz
- Compact structure

Description

KD*P Q-Switch alters the polarization state of light passing through it when an applied voltage induces birefringence changes in an electro-optic crystal. When used in conjunction with polarizers, these cells can function as optical switches, or laser Q-switches

Application

- OEM laser systems
- Medical/cosmetic lasers
- Versatile R&D laser platforms
- Military & aerospace laser systems

Standard Products Specifications

P/N	Clear aperture (mm)	Transmission Typical (%)	Extinction ratio (voltage-free)	$\Lambda/4$ -voltage	Capacity(PF)
DPC-8	8	98	>1000:1	3.2kV at 1064nm, 20°C	≤ 6
DPC-10	10	98	>1000:1	3.2kV at 1064nm, 20°C	≤ 6