IMPACT Series KD*P Pockels Cell

From the world leader in nonlinear materials and electro-optic devices comes the ideal Pockels cell for OEM applications, the IMPACT. Once again, the industry standard is set- at an exceptional value. The IMPACT employs the finest strain-free, highly deuterated KD*P available. Ceramic apertures ensure robust performance in demanding applications. Ultra-high-damage threshold Sol Gel and dielectric AR coatings are offered for a variety of laser wavelengths. Superior for high-voltage applications, the standard pin-type connectors provide quick connection and simplified system design and assembly. Conventional threaded connectors are available as an option.

Features

- **Exceptional value**
- **Finest strain-free KDP/KD*P**
- **Space efficient**
- **Ceramic apertures**
- **High contrast ratio**
- **Quick-electrical connectors**
- **"Ultra-flat" crystals**

Benefits

- **CCI Quality-economically priced**
- **High contrast ratio**
- **Ideal for compact lasers**
- **Clean and highly damage-resistant**
- **Exceptional hold-off**
- **Efficient/reliable installation**
- **Excellent beam propagation**

Typical Performance @1064nm:

ICR VCR	>2000:1 >1500:1
Apertures	8mm, 10mm & 13mm
Single Pass Optical Transmission	>98%
DC quarter-wave voltage at 1064nm Capacitance	6pF
Transmitted Wavefront Error	< λ/6
Typical SolGel crystal AR damage threshold @1064nm, 10ns pulse	40J/cm^2

CLEVELAND CRYSTALS
A Gooch & Housego Company
Crystalline Materials and Electro-Optics
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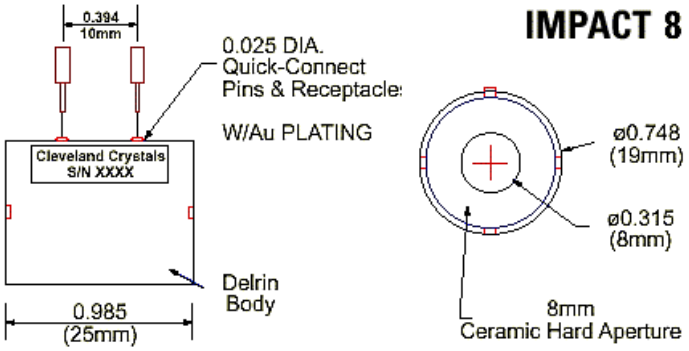
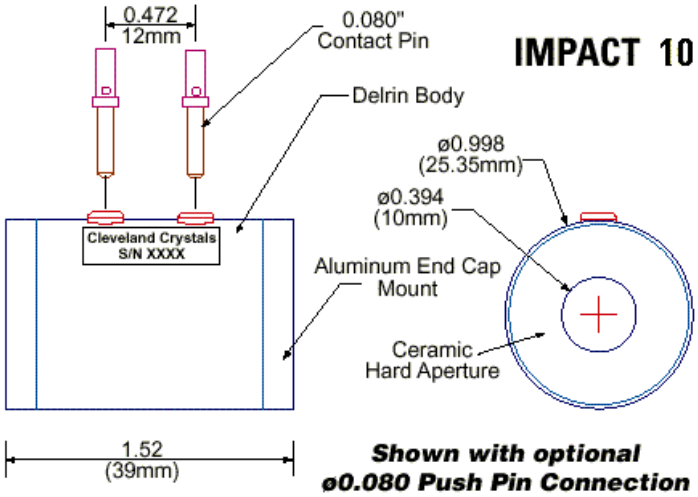
IMPACT 8

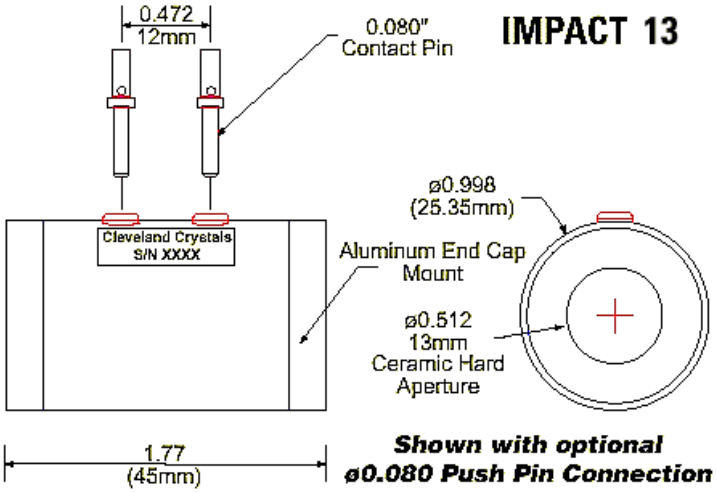


IMPACT 10



Shown with optional ø0.080 Push Pin Connection

IMPACT 13



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