Inradoptics

KD*P Pockels Cells

Routinely used for Q-switching applications with wavelengths from the UV to approximately 1.1 µm. Beyond 1.1 µm, absorption limits the use of KD*P in active cavities, unless the application can tolerate a few percent of absorption.

PKC21 Standard Series

These cells are longitudinal-field, capacitive devices, intended for demanding applications at repetition rates up to 5kHz.

Mechanical Aperture sizes	**9.5, 12.2, 15, 20, 25mm**	**Quarterwave Voltage @ 1064nm**	**3.3kV**
Standard Application Wavelengths (other ranges available)	**1064nm, 700-1000nm, 755nm, 694nm, 532nm, 355nm**	**Wavefront Distortion**	**λ/5**
Transmission @ 1064nm (Sol-gel coated crystals)	**> 99%**	**Terminal: Standard Optional**	**#4-40 threaded posts 2mm banana pins**
Extinction Ratio @1064nm	**>1000:1**		
Damage Threshold@1064nm (*) Peak power, 10ns pulses	**>800 MW/cm^2 (Sol-gel coated)**	**Wedge Configuration: Standard Optional**	**0° net wedge 1° net wedge**
Average power (CW)	**>50W/ cm^2**		

* *These are typical values. Inrad does not offer warranty for optical damage.*

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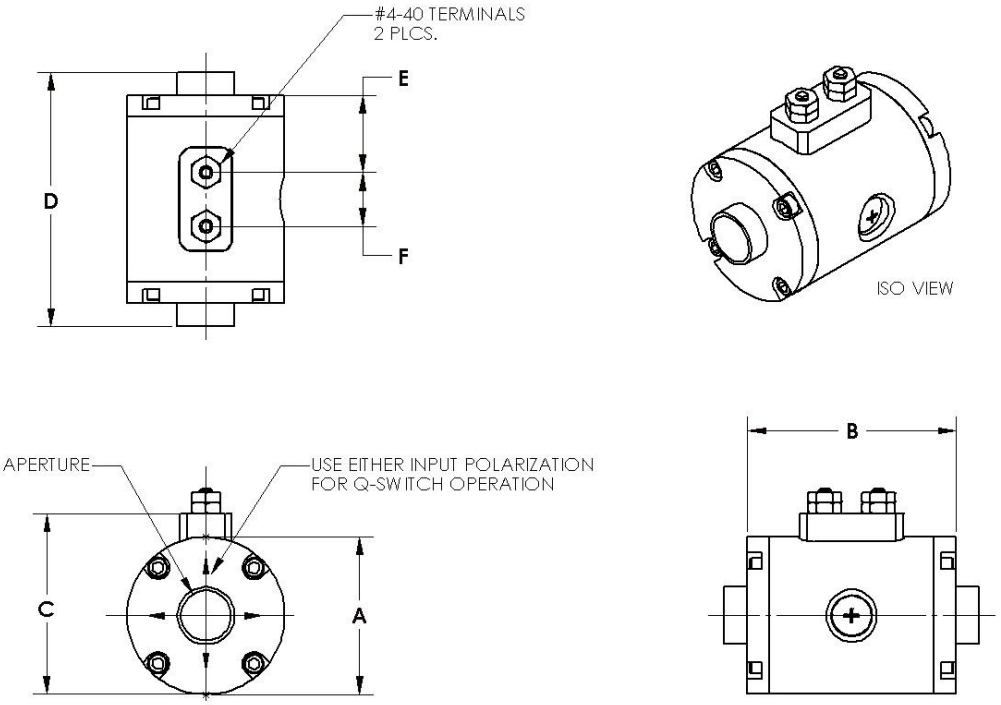
Dimensional Drawing



Mechanical Aperture (mm)	Dimensions (mm)						Capacitance (pF)
	A	B	C	D	E	F	
9.5	34.9	46.2	40.1	56.4	17.2	11.9	8
12	39.6	47.8	44.0	57.9	17.5	12.7	9
15	41.0	61.7	46.1	73.2	19.9	22.0	10
20	46.0	74.6	51.2	86.1	26.3	22.0	14
25	60.3	98.4	67.0	109.5	33.9	30.5	17

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