

## DKDP POKELS CELL

[custom design upon request]

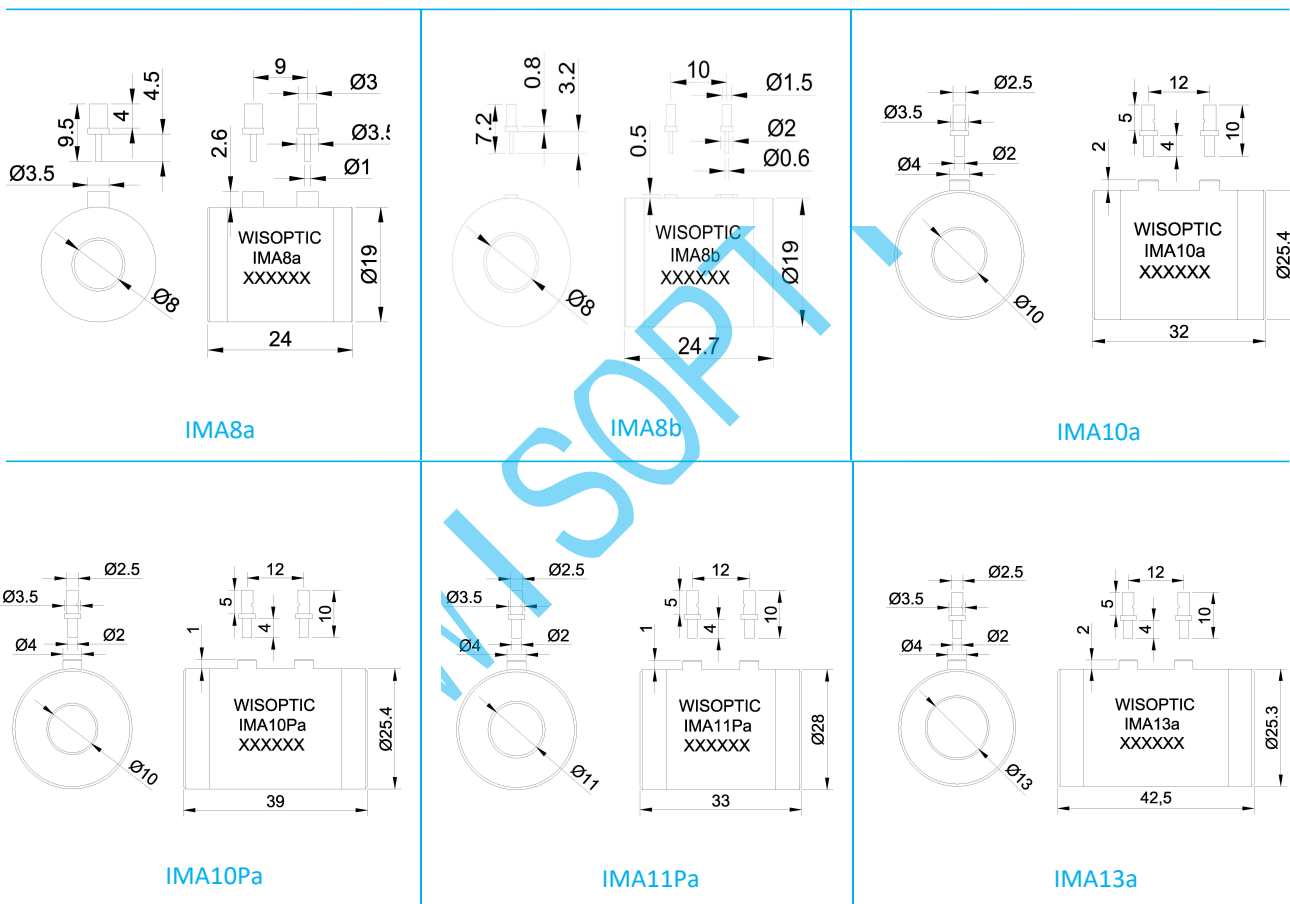
### Standard Product

Model Code	Clear Aperture	Size (mm)
IMA8a	Ø8 mm	Ø19×24
IMA8b	Ø8 mm	Ø19×24.7
IMA10a	Ø10 mm	Ø25.4×32
*IMA10Pa	Ø10 mm	Ø25.4×39
*IMA11Pa	Ø11 mm	Ø28×33
IMA13a	Ø13 mm	Ø25.3×42.5

\*P Series: with additional design for parallelism.

### Technical Data

Clear Aperture (mm)	8	10	12	13
Single Pass Insertion Loss	< 2% @1064 nm			
Intrinsic Contrast Ratio	> 5000:1 @1064 nm			
Voltage Contrast Ratio	> 2000:1 @1064 nm			
Wavefront Distortion	< $\lambda/6$ @ 633 nm			
DC Capacitance (pF)	< 4.5	< 5.0	< 5.5	< 8.0
DC Quarter Wave Voltage	3200 +/- 200 V @1064 nm			
Single Pass Transmission	> 98.5%			
Laser Damage Thershold	750 MW/cm <sup>2</sup> AR coating @1064nm,10 ns,10Hz			



## INTEGRATED DKDP POCKELS CELL

### (i-series)

[with polarizer and wave plate inside]

#### Technical Data

Model Code	IMA-i8 [other types upon request]
External Dimension	Dia. 30 (+0, -0.1)×60 (+0.3, -0.3) mm
Clear Aperture	Φ8 mm
Intrinsic Contrast Ratio	> 500:1 @1064 nm
Wavefront Distortion	< $\lambda/6$ @ 633 nm
DC Capacitance	< 4.5 pF
DC Quarter Wave Voltage	3200 +/- 200 V @1064 nm
Single Pass Transmission	> 96%
Laser Damage Threshold	500 MW/cm <sup>2</sup> [AR coating @ 1064nm, 10 ns,10Hz]

#### WISOPTIC Advantages of DKDP Pockels Cell

- Highly deuterated (>98.0%) DKDP crystal
- Compact design
- Very easy to mount and adjust
- Premium UV-grade fused silica windows
- High transmission
- High extinction ratio
- High switching-off capacity
- Broad adaptation angle
- High laser damage threshold
- Good sealing, high resistance to environment change
- Robust, long service life (two-years quality guarantee)

CONTACT **WISOPTIC** FOR THE BEST SOLUTION FOR YOUR APPLICATION OF **DKDP POCKELS CELL**.