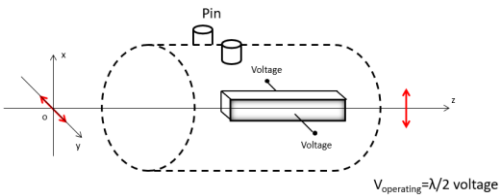


Pockels Cells Specifications
普克尔盒产品规格书
PCR2031-B038-060-1064



1. SPECIFICATIONS (规格)

Interaction material (介质材料)	BBO(偏硼酸钡晶体)
Operating wavelength (工作波长)	1064nm
Polarization (光偏振)	Linear, perpendicular or horizontal to Pin
Transmission (透光率)	>98.2 %
Clear aperture* (通光孔径)	5.8mm
$V_{\lambda/4}$ ** (四分之一波电压)	$\leq 3800V@1064nm$
Capacitance (电容)	$\leq 6pF$
Intrinsic contrast ratio*** (静态消光比)	$\geq 1000 : 1$
Voltage contrast ratio*** (动态消光比)	$\geq 500 : 1$
Shell material (外壳材料)	Plastic(塑料)
Cooling (散热方式)	Conduction-cooled(传导冷却)
Storage temperature (存放温度)	0°C~50°C(不能有剧烈温差)
Storage humidity (存放湿度)	<60%RH

*光束直径建议小于通光孔径的70% / The beam diameter is recommended to be less than 70% of the clear aperture.

**电压范围 $\leq \pm 10\%$ / The voltage range $\leq \pm 10\%$.

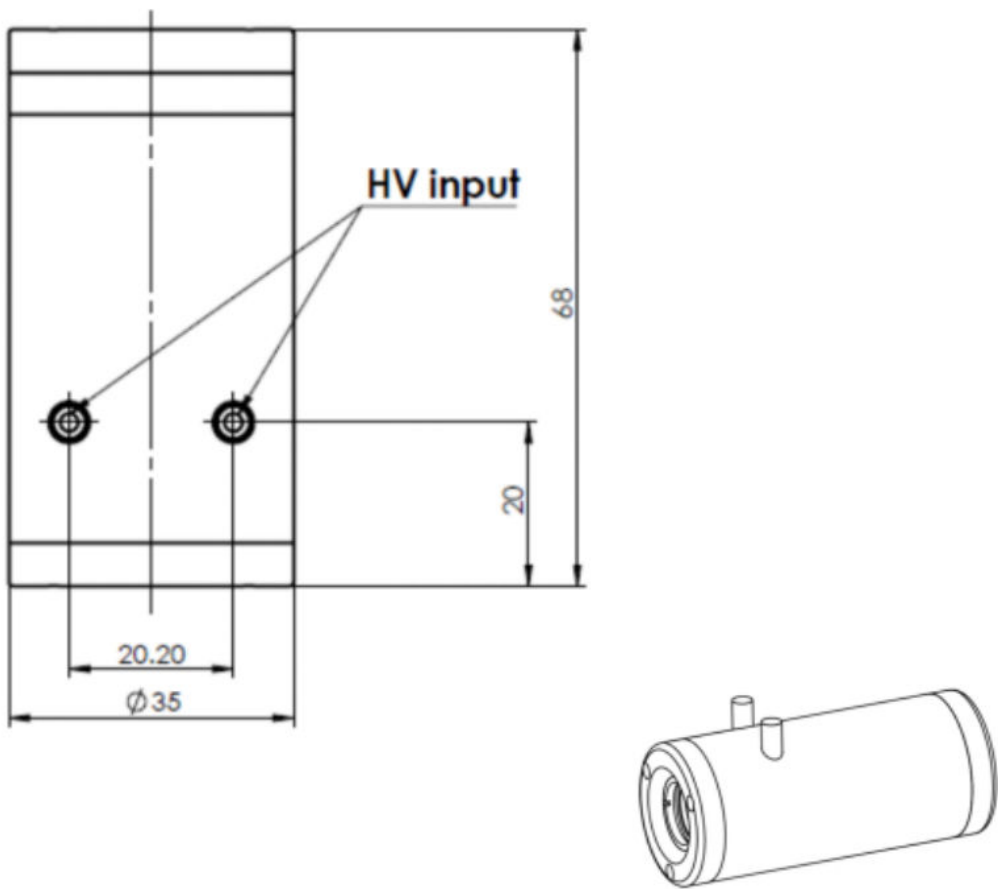
***系统消光比 4000:1 / The optical path extinction ratio of 4000:1.

****损伤阈值 $> 1GW/cm^2$ 10ns 10Hz / Damage threshold $> 1GW/cm^2$ 10ns 10Hz.

2.ORDERING CODES (编码规则)

Material	$V_{\lambda/4}$	Clear Aperture	Wavelength
PCR2001 — X	XXX —	XXX —	XXXX
BBO B	4kV 040	3mm 030	1030nm 1030
KD*P D	5kV 050	4mm 040	1064nm 1064

3. DIMENSIONS (外形尺寸-mm)



4. SUGGESTED RF DRIVER ELECTRONICS (建议驱动型号)

5. REVISION (版本)

Number (版本号)	Revisions date (修订日期)	Revision (修改项目)	Revision description (修订内容说明)
A	2024.12.2	New	/

Quality Assured: In house made, high damage threshold, Vacuum bonding, 100% Diffraction efficiency test & burn-in test.