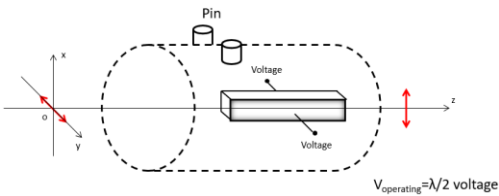


Pockels Cells Specifications
普克尔盒产品规格书
PCR2024-D002-050-640



1. SPECIFICATIONS (规格)

Interaction material (介质材料)	KD*P(磷酸二氘钾晶体)
Operating wavelength (工作波长)	640 nm
Polarization (光偏振)	Linear, perpendicular or horizontal to BNC
Transmission (透光率)	>90%
Clear aperture* (通光孔径)	5mm
$V_{\lambda/4}$ ** (四分之一波电压)	$\leq 270V@640nm$
Capacitance (电容)	$\leq 80pF$
Intrinsic contrast ratio*** (静态消光比)	$\geq 100 : 1$
Voltage contrast ratio*** (动态消光比)	$\geq 100 : 1$
Shell material (外壳材料)	Aluminium alloy(铝合金)
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.

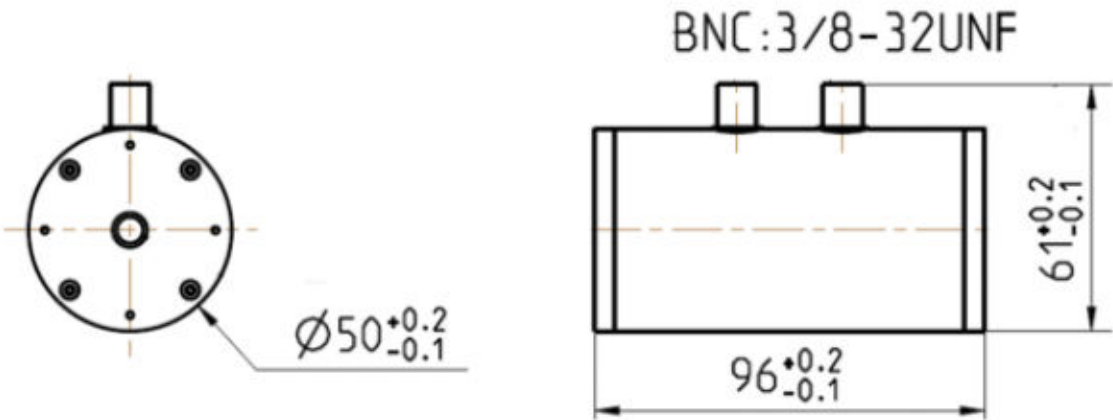
**电压范围 $\leq \pm 10\%$ / The voltage range $\leq \pm 10\%$.

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

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	2024.11.19	New	/

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