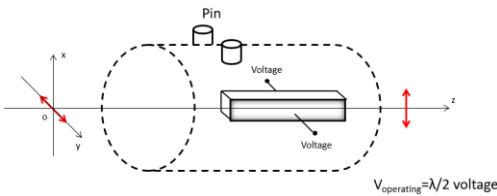


Pockels Cells Specifications
普克尔盒产品规格书
PCR2029-L001-030-1550



1. SPECIFICATIONS (规格)

Interaction material (介质材料)	MgO:LN(掺氧化镁铌酸锂)
Operating wavelength (工作波长)	1550nm
Polarization (光偏振)	Linear, perpendicular or horizontal to BNC
Transmission (透光率)	>99%
Clear aperture* (通光孔径)	3mm
$V_{\lambda/4}$ ** (四分之一波电压)	90V
Capacitance (电容)	≤40pF
Intrinsic contrast ratio*** (静态消光比)	≥ 50 : 1
Voltage contrast ratio*** (动态消光比)	≥ 50 : 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.

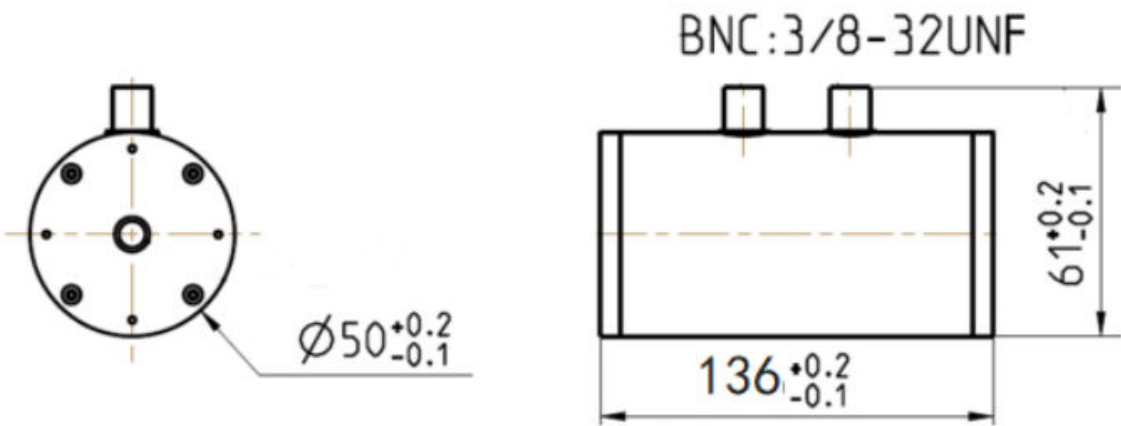
**电压范围 ≤ ±10% / The voltage range ≤ ±10%.

***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	2024.12.19	New	/

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