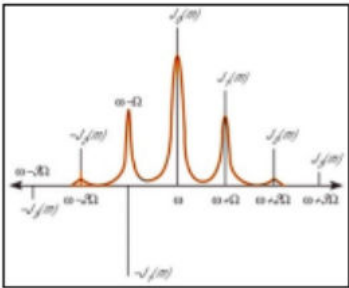


Phase Modulator Specifications
相位调制器产品规格书
PMR0021-L03G-020-670



1. SPECIFICATIONS (规格)

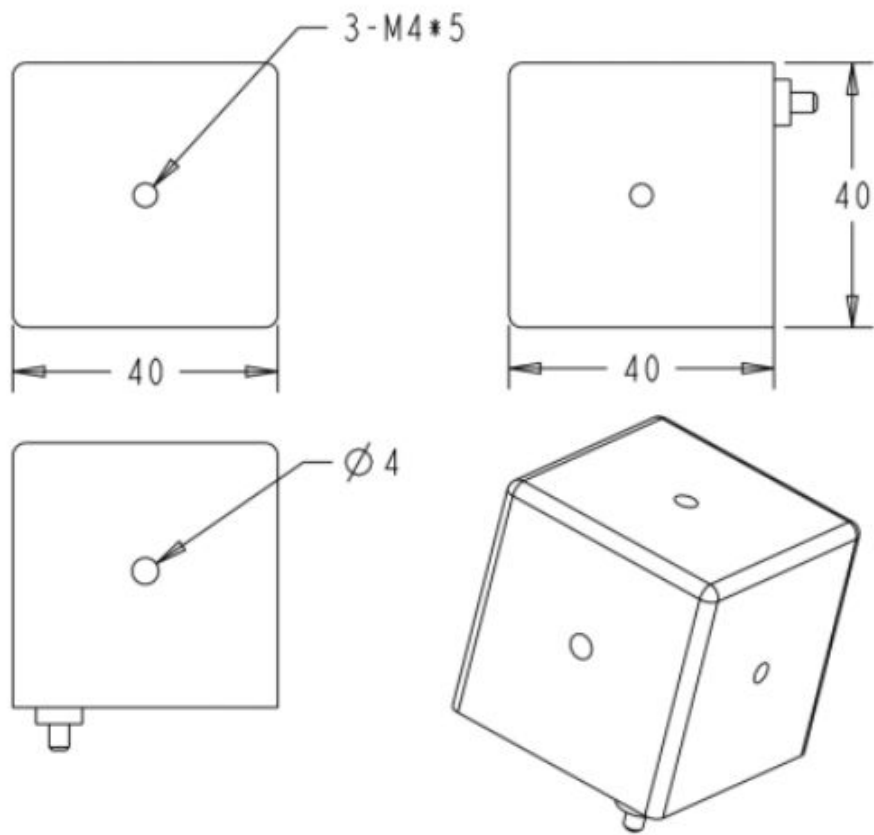
Interaction material (介质材料)	MLN(掺镁铌酸锂)
Operating wavelength (工作波长)	670nm
Polarization (光偏振)	Linear, horizontal
Transmission (透光率)	>97%
Clear aperture* (通光孔径)	2mm
Wavefront distortion(波前畸变)	$<\lambda/6@633nm$
RF(射频频率)	3.0GHz
3dB bandwidth(3dB带宽)	<25MHz
Maxmodulation amplitude(调制量)	$<0.19rad/V@670nm$
Connector(接口)	SMA-F
Sensitivity to temperature(温度敏感度)	$<0.5MHz/^{\circ}C$
Input impedance(输入阻抗)	50 Ω
Shell material (外壳材料)	Aluminium alloy(铝合金)
Cooling (散热方式)	Conduction-cooled(传导冷却)

*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.

2.ORDERING CODES (编码规则)

类型	晶体材料	射频频率	通光孔径	波长
PM X 0001 — X	XXX	— XXX	— XXXX	
共振型 R	MLN L	2GHz 02G	3mm 030	532nm 532
非共振型 N	KTP T	1GHz 01G	2mm 020	780nm 780
		20MHz 02M		

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	2022.8.30	New	/

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