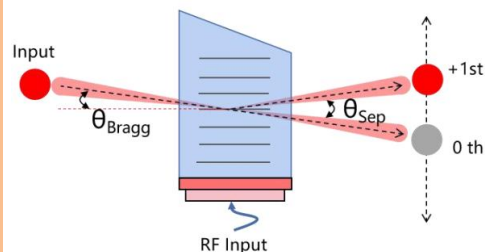


FAOM Specifications 光纤耦合声光调制器产品规格书 FM0027-TL120-F02-1064



1. SPECIFICATIONS (规格)

Interaction material (介质材料)	Tellurium dioxide (二氧化碲)
Acoustic mode (声波模式)	Longitudinal (纵波)
Operating wavelength (工作波长)	1064 nm
RF frequency (射频频率)	120 MHz
Average optical power handing (激光平均功率)	1 W
Fiber type (光纤类型)	SSM 10/125
Fiber length (光纤长度)	> 0.8 m
Fiber termination (光纤尾端)	Bare fiber (裸纤)
RF power (射频功率)	2 W (max)
Input impedance (输入阻抗)	50 Ω Nominal
VSWR (驻波比)	< 1.2:1
RF connector (射频接头)	SMA-F
Cooling (散热方式)	Conduction-cooled (传导散热)
Shell material (外壳材料)	Aluminum alloy (铝合金)
Storage temperature (存储温度)	-20~70 $^{\circ}\text{C}$

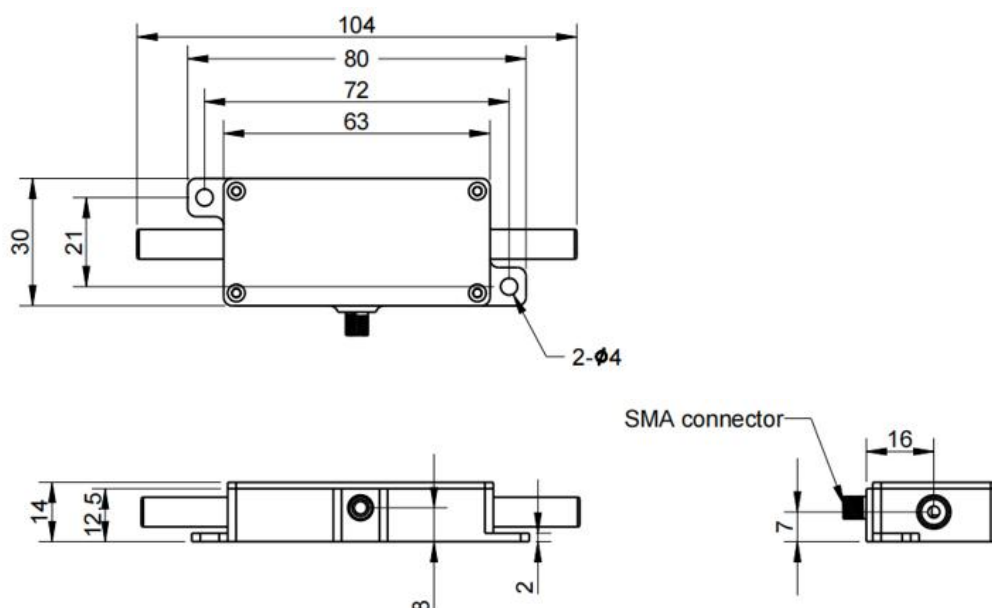
2. PERFORMANCE (性能)

Insertion loss (插入损耗)	< 1 dB
Extinction ratio (消光比)	> 45 dB
Rise/Falltime (上升/下降时间)	< 45 ns

3. ORDERING CODES (编码规则)

	Materials	Acoustic type	Fc	Fiber type	Wavelength
FM0001	X	X	XXX	XXX	XXXX
	TeO ₂	Longitudinal	80 MHz	P02	1064 nm
	QZ	Shear	120 MHz	P09	1550 nm
			200 MHz		

4. DIMENSIONS (外形尺寸-mm)



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

RD1031-120-24-003-CA

6. 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	2023. 8. 08	New	/

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