

FAOM Specifications
光纤耦合声光调制器产品规格书
FM0069-TL200-P02-1030



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)	1030nm
RF frequency (射频频率)	200MHz
Average optical power handling (激光平均功率)	1W
Fiber type (光纤类型)	PM980
Fiber length (光纤长度)	>0.8cm
Fiber termination (光纤尾端)	Bare fiber (裸纤)
RF power (射频功率)	2.5W(max)
Input Impedance (输入阻抗)	50Ω 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℃

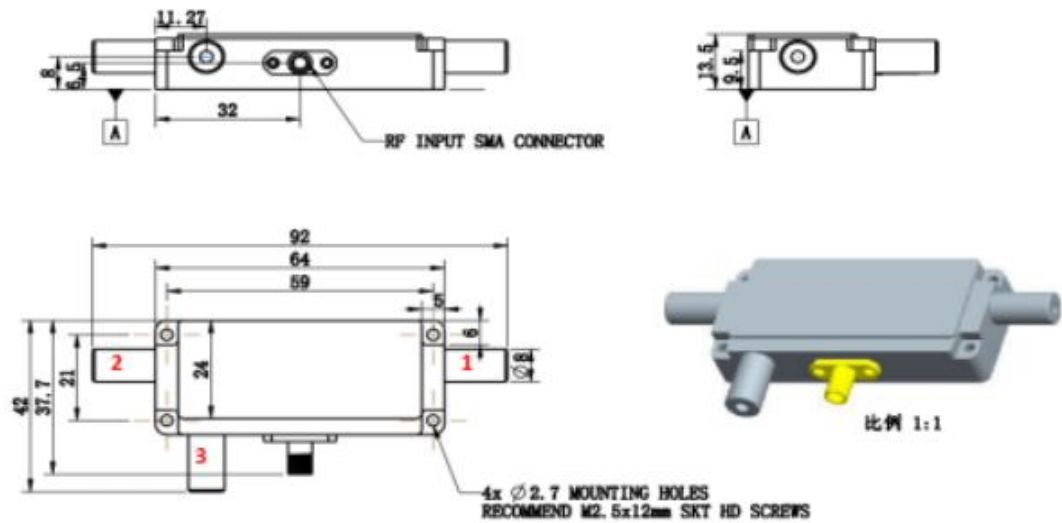
2. PERFORMANCE (性能)

Insertion loss 1-2&2-1 (插入损耗1)	<2.5dB&<3dB
Insertion loss 1-3&3-1 (插入损耗2)	<1.2dB@无射频
Extinction ratio (消光比)	>45dB
Polarization extinction ratio (偏振消光比)	>18dB
Rise/Fail time (上升/下降时间)	<10ns

4. ORDERING CODES (编码规则)

	Materials	Acoustic type	Fc	Fiber type	Wavelength
FM0001	— X TeO ₂ T QZ Q	X Longitudinal L Shear S	XXX 80 MHz 080 120 MHz 120 200 MHz 200	— XXX P02 PM980 P09 PM10/125	— XXXX 1064 1064 nm 1550 1550 nm

5. DIMENSIONS (外形尺寸-mm)



*实际尺寸可能微调，已实物为准

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

RD1012-200-24-003-CA
RD1057-200-24-003-CA
RD1058-200-24-003-CA

7. 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. 25	New	/

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