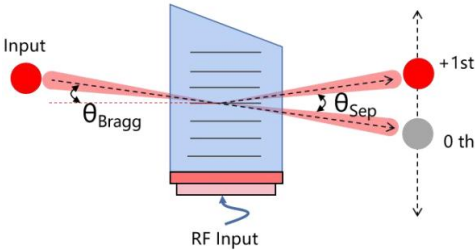


FAOM Specifications
光纤耦合声光调制器产品规格书
FM0005-TL200-P02-1064



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)	200 MHz
Average optical power handing (激光平均功率)	1 W
Fiber type (光纤类型)	PM 980
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)	2.5 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)	stainless steel (不锈钢)
Storage temperature (存储温度)	-20~70 °C

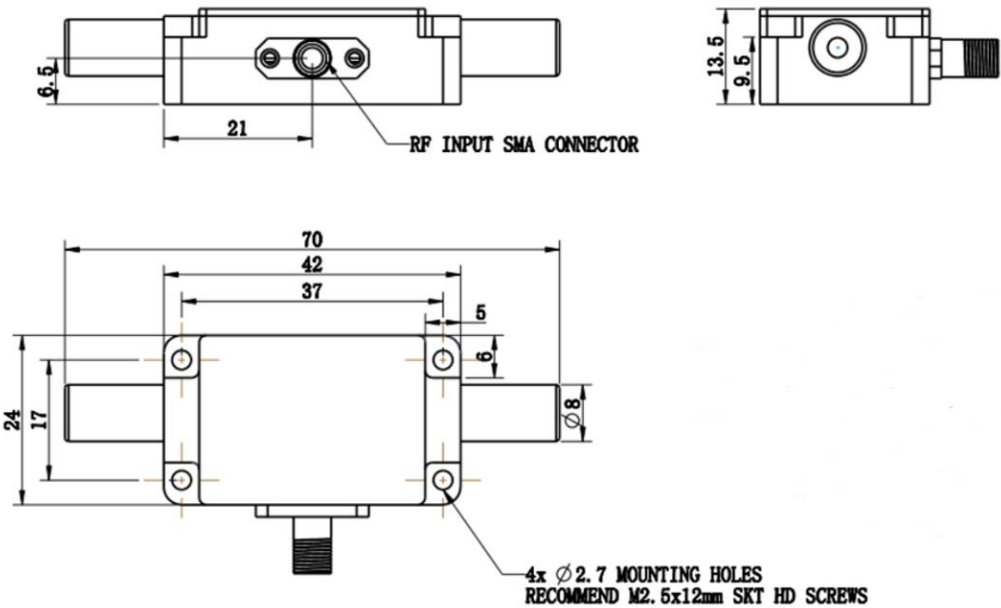
2. PERFORMANCE (性能)

Insertion loss (插入损耗)	< 2.5 dB
Extinction ratio (消光比)	> 45 dB
Polarizationextinction ratio (偏振消光比)	> 18 dB
Rise/Falltime (上升/下降时间)	< 10 ns

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 080 120 200	— XXX P02 PM980 P09 PM10/125	— XXXX 1064 1064 nm 1550 1550 nm

5. DIMENSIONS (外形尺寸-mm)



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	2023. 12. 07	New	/

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