

FAOM Specifications
光纤耦合声光调制器产品规格书
FM0073-TL120-F05-1064



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±5nm
RF frequency (射频频率)	120MHz
Average optical power handling (激光平均功率)	3W
Fiber type (光纤类型)	SSM10/125
Fiber length (光纤长度)	>70cm
Fiber termination (光纤尾端)	Bare fiber (裸纤)
RF power (射频功率)	1.8-2.2W
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℃
Operating temperature (工作温度)	0-50℃

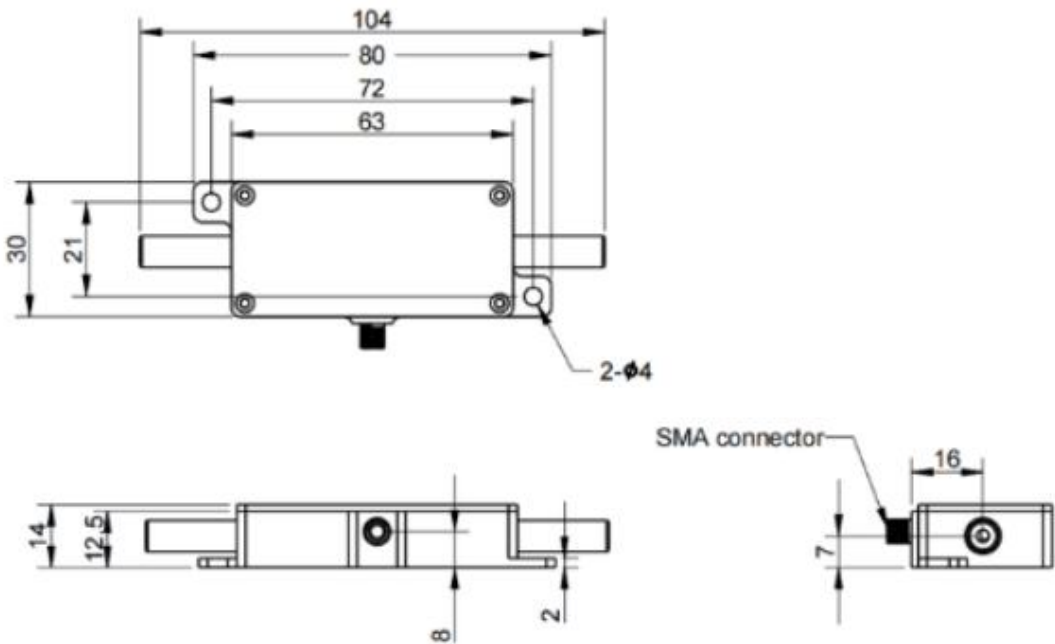
2. PERFORMANCE (性能)

Insertion loss (插入损耗)	<1.2dB
Extinction ratio (消光比)	>40dB
Return loss (回波损耗)	>45dB

4. ORDERING CODES (编码规则)

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

5. DIMENSIONS (外形尺寸-mm)



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

RD1031-120-24-003-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. 8. 17	New	/

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