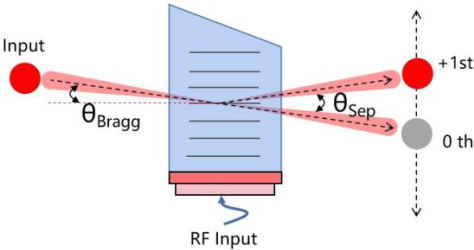


AOFS Specifications
声光移频器产品规格书
FS1010-TL080-P02-1064



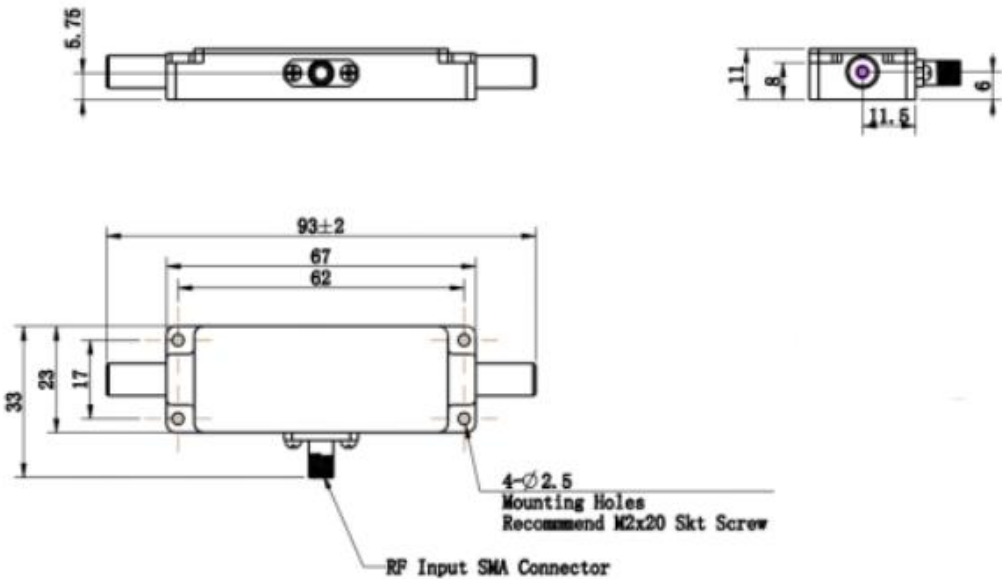
1. SPECIFICATIONS (规格)

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)	1064nm
Center frequency (Fc) (中心频率)	80MHz
Frequency shift bandwidth (FB) (移频带宽)	±4MHz
Fiber type (光纤类型)	PM980
Fiber length (光纤长度)	>0.8m
Insertion loss (插入损耗)	<3dB@80MHz (≤6dB@80±4MHz)
Rise/Fall time (上升/下降时间)	<50ns
Extinction ratio (消光比)	>50dB
Polarization extinction ratio (偏振消光比)	>20dB
Frequency drift / °C (频漂)	< ±0.1ppm/°C
Fiber termination (光纤尾端)	FC/APC
RF power (射频功率)	<3W
Input Impedance (输入阻抗)	50Ω Nominal
VSWR (驻波比) @Fc	< 1.3:1
RF connector (射频接头)	SMA-F
Cooling (散热方式)	Conduction-cooled (传导冷却)
Shell material (外壳材料)	Aluminum alloy (铝合金)

2. ORDERING CODES（编码规则）

	Fc		Fiber type		Wavelength	
FS1001—TL	XXX	—	XXX	—	XXXX	
20 MHz	020		P02		PM980	1064 1064 nm
42 MHz	042					1030 1030 nm
73 MHz	073					532 532 nm

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	2023. 6. 21	Modify the size	/

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