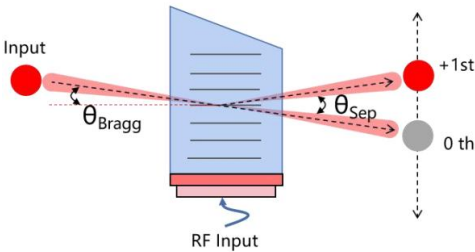


A0FS Specifications
声光移频器产品规格书
FS1008-TL073-010-1064



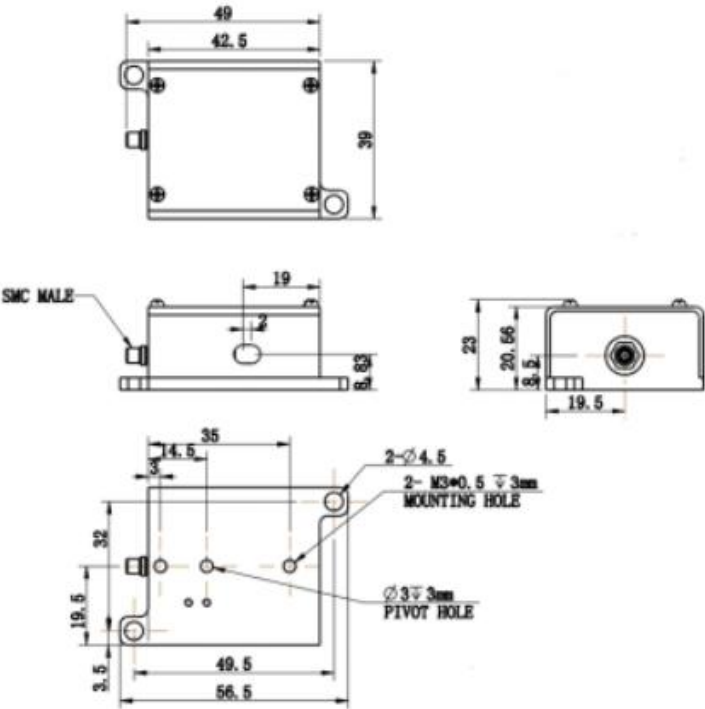
1. SPECIFICATIONS (规格)

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
Polarization of incident beam (入射光偏振)	Linear, perpendicular to base (线偏振, 垂直于基座)
Transmission (透过率)	> 98%
Active aperture (有效孔径)	1mm
Center frequency (Fc) (中心频率)	73MHz
Separation angle (分离角) @Fc	18.49mrad
Frequency shift bandwidth (FB) (移频带宽)	±3MHz
Frequency drift / °C (频漂)	< ±0.1ppm/°C
Diffraction efficiency (衍射效率)	> 80%
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 (铝)

2. ORDERING CODES（编码规则）

	Fc		Active aperture		Wavelength
FS1001—TS	XXX	—	XXX	—	XXXX
20 MHz	020		010	1 mm	266
42 MHz	042		020	2 mm	355
73 MHz	073		030	3 mm	633

3. DIMENSIONS（外形尺寸—mm）



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

RB1006-073_3-24-003-CT

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.