

A0FS Specifications
声光移频器产品规格书
FS1012-TL240-003-780



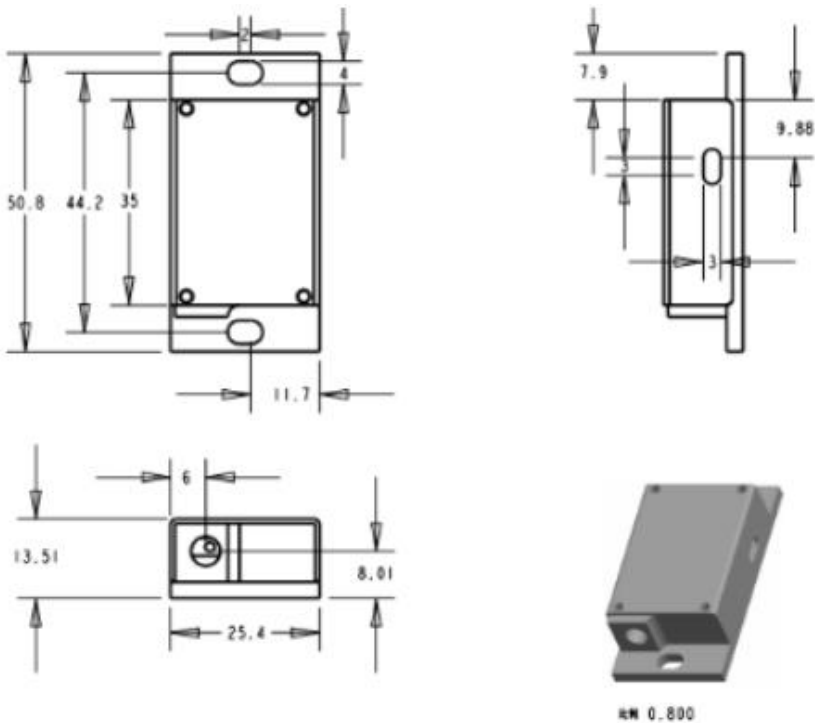
1. SPECIFICATIONS (规格)

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)	780nm
Polarization(光偏振)	Linear, vertical to base (线偏振, 垂直于基座)
Transmission (透过率)	> 98%
Active aperture (有效孔径)	0.3mm
Center frequency (Fc) (中心频率)	240MHz
Separation angle (分离角) @Fc	44.57mrad
Frequency shift bandwidth(FB) (移频带宽)	±3MHz
Frequency drift / °C (频漂)	< ±0.1ppm/°C
Diffraction efficiency (衍射效率)	> 70%
RF power (射频功率)	<1.5W
Input Impedance (输入阻抗)	50Ω Nominal
VSWR (驻波比) @Fc	< 1.2:1
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		Active aperture		Wavelength
FS1001—TS	XXX	—	XXX	—	XXXX
20 MHz	020		010	1 mm	266 266 nm
42 MHz	042		020	2 mm	355 355 nm
73 MHz	073		030	3 mm	633 633 nm

3. DIMENSIONS（外形尺寸—mm）



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

RB1005-240_5-24-003-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.