

A0FS Specifications
声光移频器产品规格书
FS1021-TL073_006-010-633



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)	633nm
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)	1mm
Center frequency (Fc) (中心频率)	73MHz
Separation angle (分离角) @Fc	11mrad
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 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)

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.