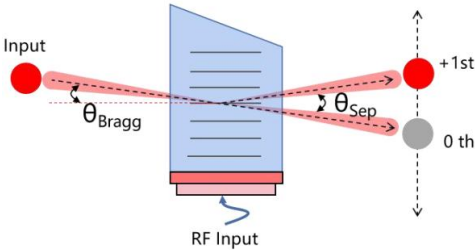


AOTF Specifications
声光可调滤波器产品规格书
TF1001-TS020-640_1100



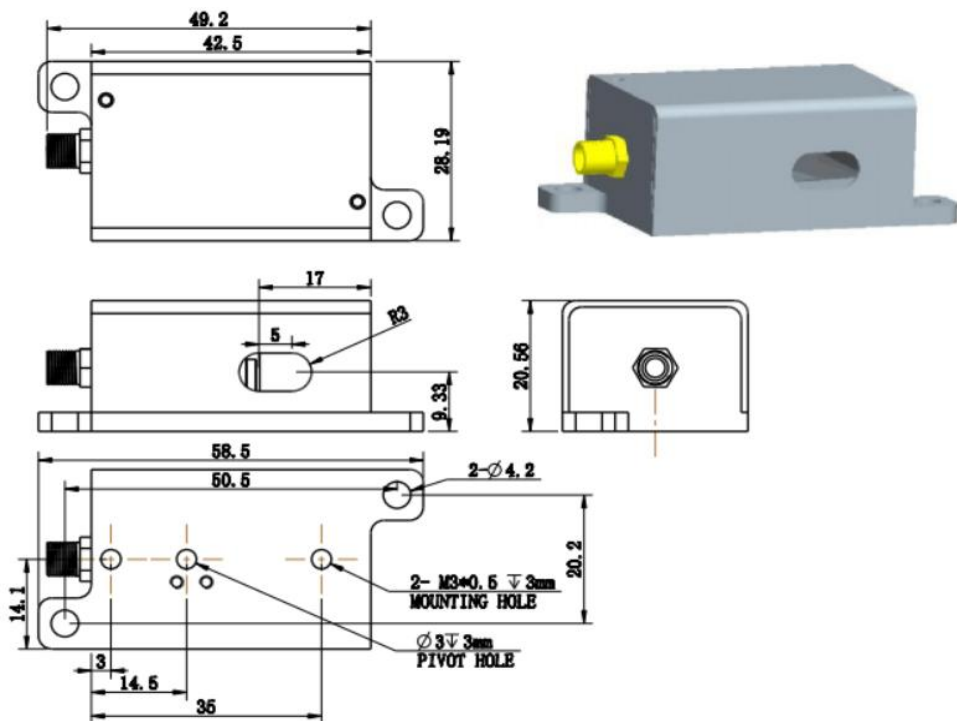
1. SPECIFICATIONS (规格)

Interaction material (介质材料)	Tellurium dioxide (二氧化碲)
Acoustic mode (声波模式)	Shear, Off Axis (切变波, 离轴)
Operating wavelength (工作波长)	640-1100 nm
Polarization of incident beam (入射光偏振)	Linear, horizontal to base (线偏振, 水平基座)
Polarization of diffraction beam (衍射光偏振)	Linear, vertical to base (线偏振, 垂直于基座)
Polarization of 0 order beam (0级光偏振)	Linear, horizontal to base (线偏振, 水平于基座)
Transmission (透过率)	> 95%
Active aperture (有效孔径)	2.0mm
RF frequency (射频频率)	45-110 MHz
Spectral bandwidth (光谱带宽)	<10 nm
Diffraction efficiency (衍射效率)	> 70%
RF power (射频功率)	2 W (max)
Input Impedance (输入阻抗)	50Ω Nominal
VSWR (驻波比)	< 3.5:1
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 6063 (铝6063)
Storage temperature (存储温度)	-20~70 °C

2. ORDERING CODES (编码规则)

Active aperture			Wavelength		
TF1001—	TS	XXX	—	XXXX	— XXXX
1 mm	010		450	450 nm	650 650 nm
2 mm	020		640	640 nm	1100 1100 nm
3 mm	030				

3. DIMENSIONS (外形尺寸-mm)



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

RB0011-078_035-15-002-CA

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	2022. 8. 29	New	/

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