

AODF Specifications
声光偏转器产品规格书
DF2008-QL200_100-040-266



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)	266nm
Polarization (光偏振)	Linear, perpendicular to base (线偏振, 垂直于基座)
Transmission (透过率)	> 99%
Active aperture (有效孔径)	4.0×4.0mm
Center frequency (Fc) (中心频率)	200MHz
RF bandwidth (RB) (射频带宽)	100MHz
Diffraction efficiency (衍射效率) @RB	>40%@266nm
RF power (射频功率)	15W (max)
Input Impedance (输入阻抗)	50Ω Nominal
VSWR (驻波比) @Fc	<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 6063 (铝6063)
Water cooling channel material (水冷块材料)	Stainless steel316 (不锈钢316)

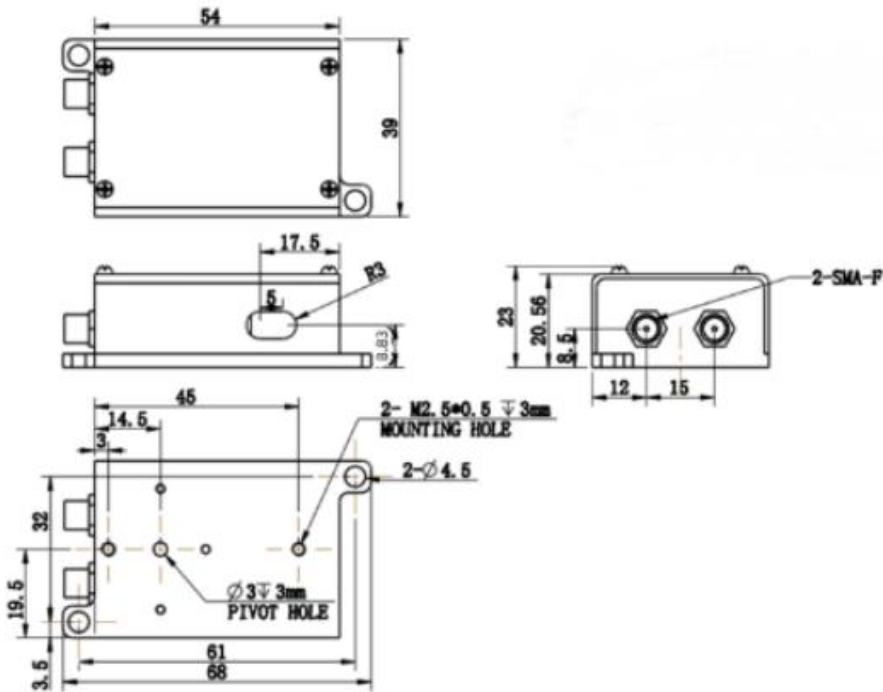
2. PERFORMANCE vs. WAVELENGTH (性能 vs. 波长)

Wavelength (光波长)	266 nm
Braggangle (布拉格角) @Fc	4.6 mrad
Separation angle (分离角) @Fc	9.3 mrad
Scan angle (扫描角度) @RB	4.6 mrad

3. ORDERING CODES (编码规则)

Fc	RB	Active aperture		Wavelength	
DF0001—QL XXX —	XXX —	XXX —	XXX —	XXXX	
27.12 MHz 027	010	10 MHz 040	4 mm	266	266 nm
40.68 MHz 041	050	50 MHz 060	6 mm	355	355 nm
80 MHz 080	080	80 MHz 080	8 mm		

4. DIMENSIONS (外形尺寸—mm)



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

RB1002-100_50-24-020-CT

6. 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. 10. 13	New	/

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