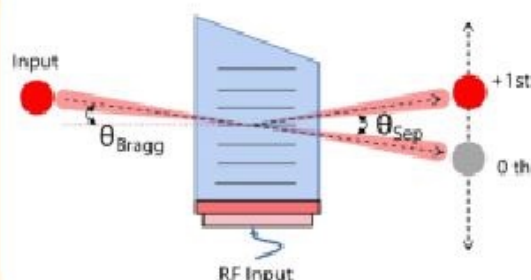


AOQS Specifications 声光Q开关产品规格书 Q0031-QL041-015-1064



1. SPECIFICATIONS (规格)

Interaction material (介质材料)	Crystal quartz (石英)
Acoustic mode (声波模式)	Longitudinal (纵波)
Operating wavelength (工作波长)	1064 nm
Polarization (光偏振)	Linear, perpendicular to base (线偏振, 垂直于基座)
Transmission (透过率)	> 99.6%
Active aperture (有效孔径)	1.5 mm
Center frequency (中心频率)	40.68 MHz
Loss modulation (损耗调制)	> 85%
RF power (射频功率)	25 W (max)
Input impedance (输入阻抗)	50Ω Nominal
VSWR (驻波比) @Fc	< 1.2:1
RF connector (射频接头)	SMA-M
Cooling (散热方式)	Conduction-cooled (传导冷却)
Shell material (外壳材料)	Aluminum alloy 6063 (铝合金)

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

Wavelength (光波长) -nm	1064
Bragg angle (布拉格角) -mrad	3.75
Separation angle (分离角) -mrad	7.5

3. ESTIMATED PERFORMANCE vs. BEAM DIAMETER (预估性能 vs. 光束直径)

Beam Diameter (光束直径) -mm	1	1.5
Risetime (上升沿时间) -ns	113	170
Loss modulation (损耗调制)	85%	85%

