

SPECIFICATIONS

AO Medium	Fused Silica
Acoustic Velocity	5.96 mm/μs
Active Aperture*	2.5 mm 'L' X .18 mm 'H'
Center Frequency (Fc)	160 MHz
RF Bandwidth	50 MHz
Input Impedance	50 Ohms Nominal
VSWR @ Fc	1.3 :1 Max
Wavelength	363.8 nm
Insertion Loss	2 % Max
Anti-Reflection Coating	MIL-C-48497
Optical Damage Threshold	200 W/mm ²
Contrast Ratio	1000 :1 Min
Polarization	90 ° To Acoustic Wave

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	363
Operational RF Power (W)	.8
Bragg Angle (mr)	4.9
Beam Separation (mr)	9.8

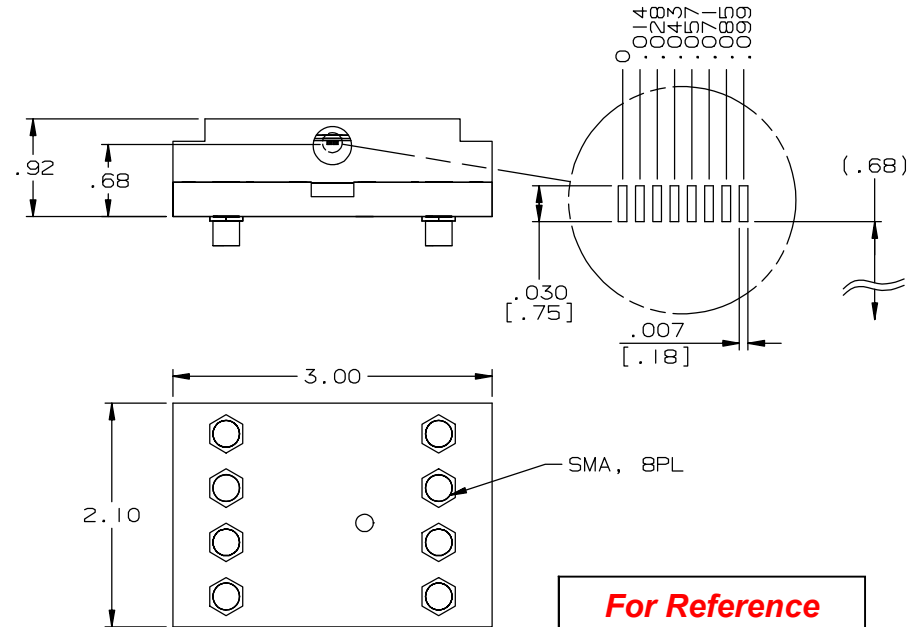
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	180
<i>at Wavelength (nm)</i>	364
Diffraction Efficiency (%) min	65
Rise Time (nsec)	21

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:

Package AOMC 3160/8



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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Gerl Scholz 12/4/2001	Crystal Technology, Inc.		
MATERIAL:	CHK		DESCRIPTION: AOMC 3160-8		
FINISH:	APP		PART NUMBER:	REV:	SHEET 1 OF 1
	APP				