

SPECIFICATIONS

AO Medium		TeO2
Acoustic Velocity		4.2 mm/μs
Active Aperture*	1 mm 'L' X	0.1 mm 'H'
Center Frequency (Fc)		200 MHz
RF Bandwidth	90 MHz @	-10 dB Return Loss
Input Impedance		50 Ohms Nominal
VSWR @ Fc		1.3:1 Max
Wavelength		1047-1060 nm
Insertion Loss		4 % Max
Reflectivity per Surface		0.5 % Max
Anti-Reflection Coating		MIL-C-48497
Optical Power Density		50 MW/cm ²
Contrast Ratio		1000:1 Min
Polarization		90 ° To Mounting Plane

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	1060
Saturation RF Power (W)	2.5
Bragg Angle (mr)	25.2
Beam Separation (mr)	50.4

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	50	65
<i>at Wavelength (nm)</i>	1060	1060
Diffraction Efficiency (%)	75	80
Rise Time (nsec)	10	12
Modulation Bandwidth	NA	NA
Beam Ellipticity	NA	NA

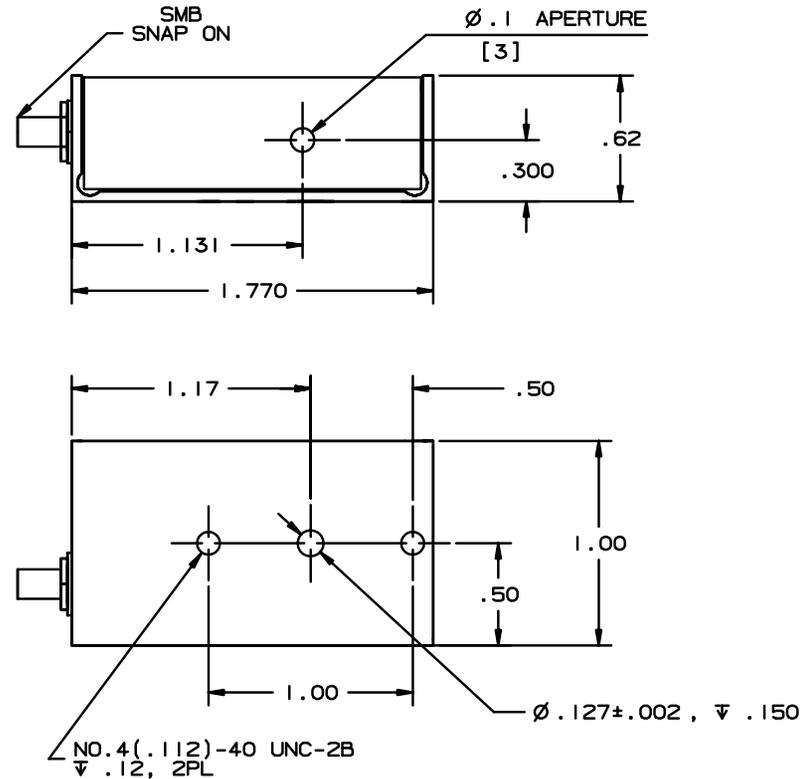
Special Testing

Loss Modulation

For Reference
Only

Min	Units	Max
80	%	

Outline Drawing: Package Style 1, w/ heat sink



Notes:
Loss Modulation 85% Min. at 50 μm beam diameter.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/27/2002	Crystal Technology, Inc. DESCRIPTION: AOMO 3200-1113 TeO2; 1.06 μm; 200 MHz
MATERIAL:	CHK		
FINISH:	APP		
	APP	PART NUMBER: 97-02029-05	REV: A

*Active Aperture: Aperture over which performance specifications apply.