

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
at Wavelength (nm)	1060	1060
Diffraction Efficiency (%)	75	80
Rise Time (nsec)	10	12
Modulation Bandwidth	NA	NA
Beam Ellipticity	NA	NA

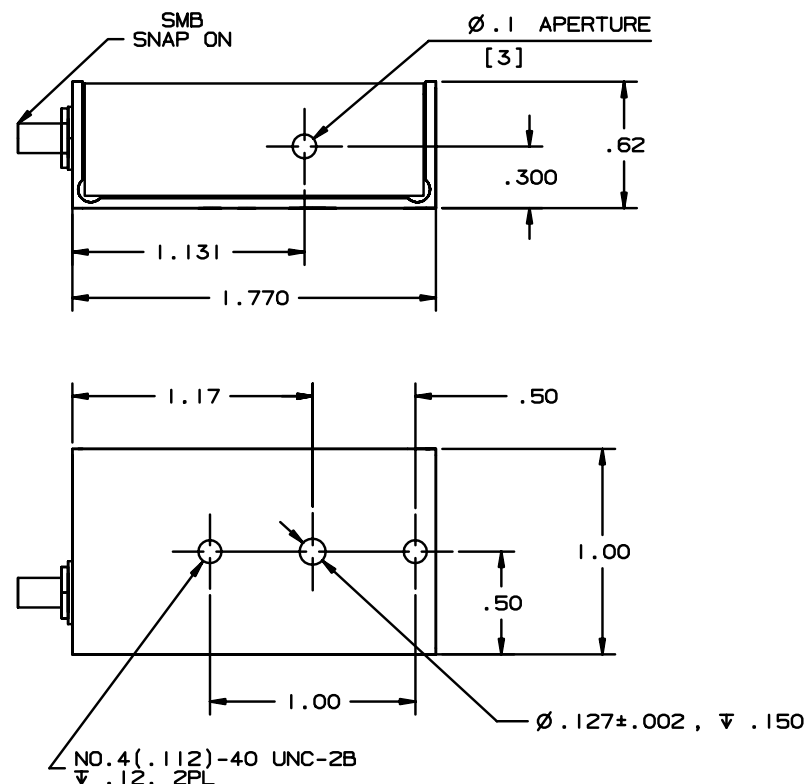
**For Reference
Only**

Special Testing

	Min	Units	Max
Loss Modulation	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
		SHEET 1 OF 1	