

## 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 <sup>2</sup>		
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

## Special Testing

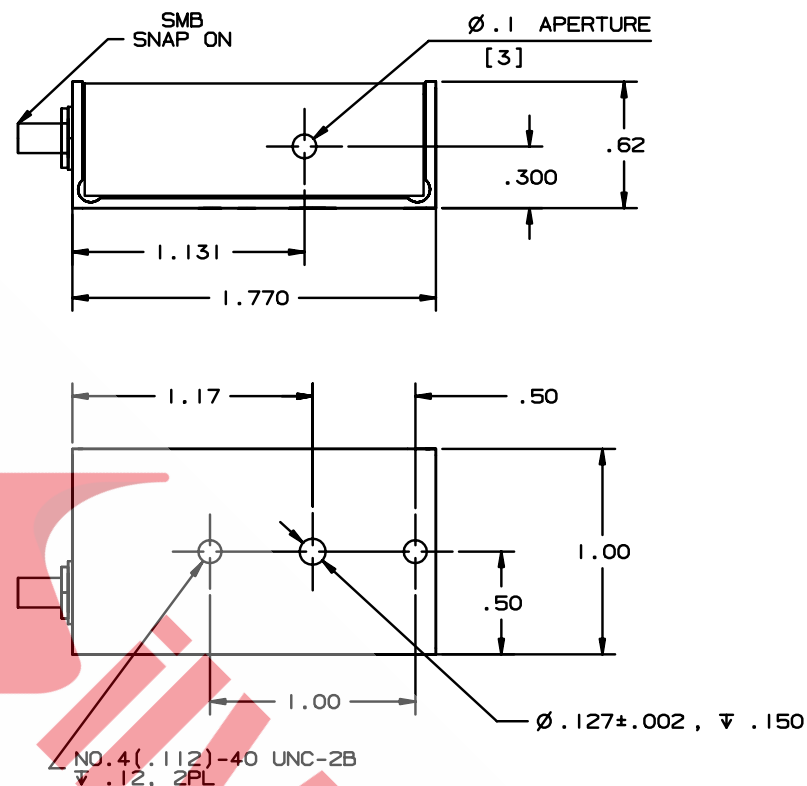
Loss Modulation

**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	<b>Crystal Technology, Inc.</b> DESCRIPTION: <b>AOMO 3200-1113</b> TeO2; 1.06 μm; 200 MHz
MATERIAL:	CHK		
FINISH:	APP		
	APP		
PART NUMBER:		97-02029-05	REV: A
			SHEET 1 OF 1

\*Active Aperture: Aperture over which performance specifications apply.