

SPECIFICATIONS

AO Medium	TeO ₂		
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

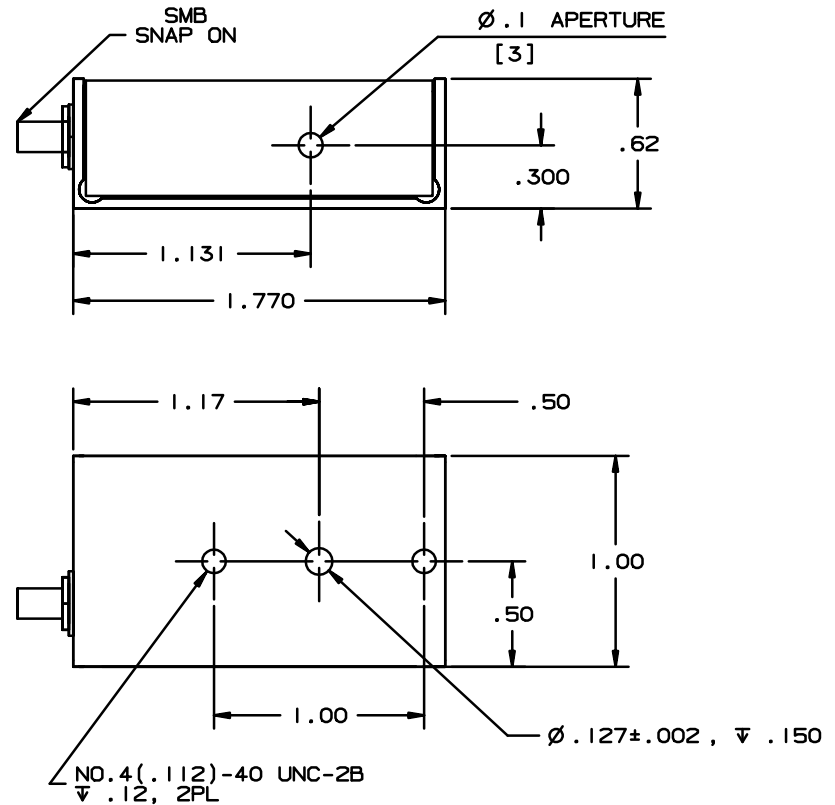
Special Testing

Loss Modulation

Document
10/31/13
Control

Min	Units	Max
80	%	

Outline Drawing:



Notes:

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

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 10/7/2013	 AOMO 3200-1113 TEO ₂ ; 1.06 μm; 200 MHz	
MATERIAL:	CHK			
FINISH:	APP			
		APP	PART NUMBER: 97-02029-55	REV: 2
			SHEET 1 OF 1	

*Active Aperture: Aperture over which performance specifications apply.