

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

Document

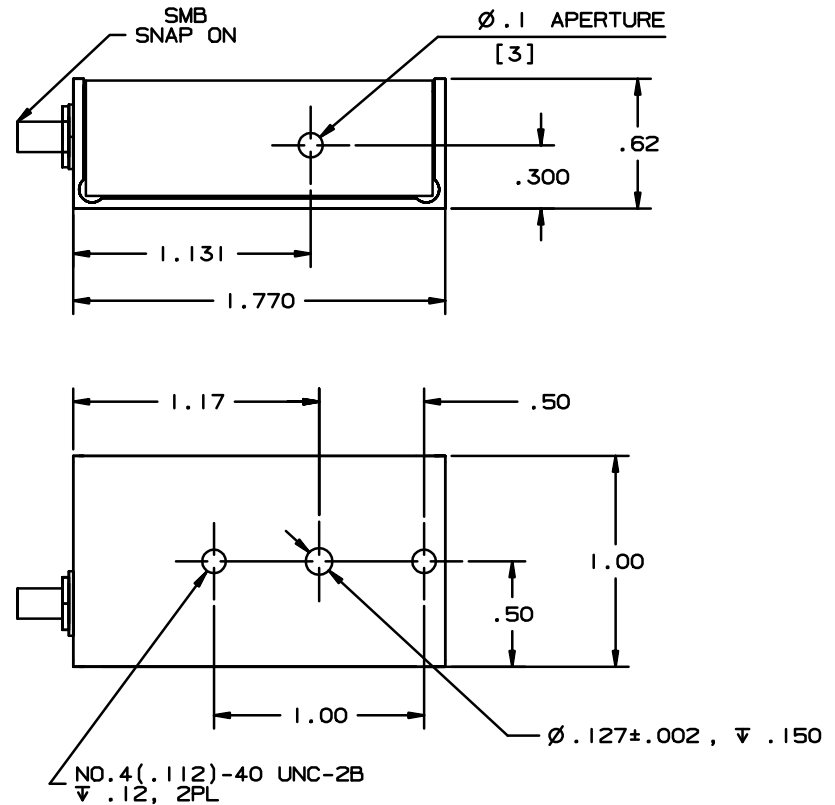
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Control

Min	Units	Max
80	%	

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



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

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Gerri Scholz 10/7/2013		
MATERIAL:	CHK			
FINISH: 	APP		DESCRIPTION: AOMO 3200-1113 TEO2; 1.06 μm; 200 MHz	
	APP		PART NUMBER: 97-02029-55	REV: 2
			SHEET 1 OF 1	