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

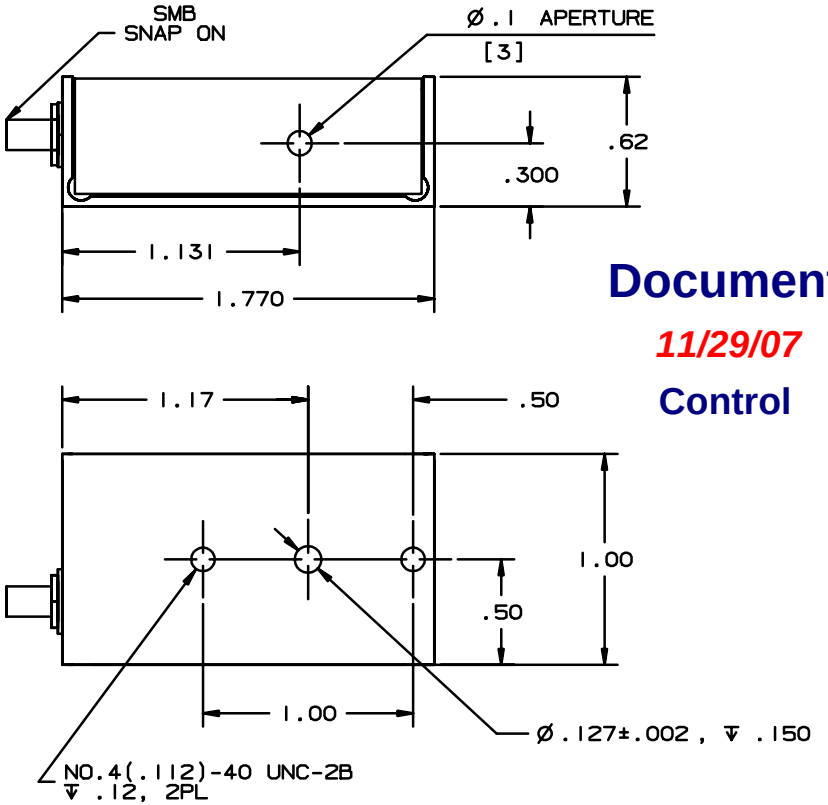
PERFORMANCE VS BEAM DIAMETER

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

Special Testing	**Min**	**Units**	**Max**
Loss Modulation	80	%	

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



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Control

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

TOLERANCES: .XX ± .01, .XXX ± .005	DR	Geri Scholz 11/29/2007	Crystal Technology, Inc.
MATERIAL: RoHS Compliant	CHK		DESCRIPTION: **AOMO 3200-1113** TEO2; 1.06 µm; 200 MHz
FINISH:	APP		
	APP		PART NUMBER: 97-02029-55 · REV: 1 · SHEET 1 OF 1