

SPECIFICATIONS

AO Medium	TeO ₂	
Acoustic Velocity	4.2 mm/μs	
Active Aperture*	2.5 mm 'L' X	0.4 mm 'H'
Center Frequency (Fc)	200 MHz	
RF Bandwidth	50 MHz @	-10 dB Return Loss
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.3:1 Max	
Wavelength	515-633 nm	
Insertion Loss	4 % Max	
Reflectivity per Surface	1 % Max	
Anti-Reflection Coating	MIL-C-48497	
Optical Power Density	250 W/mm ²	
Contrast Ratio	1000:1 Min	
Polarization	90 ° To Mounting Plane	

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	633
Saturation RF Power (W)	1.5
Bragg Angle (mr)	15.1
Beam Separation (mr)	30.2

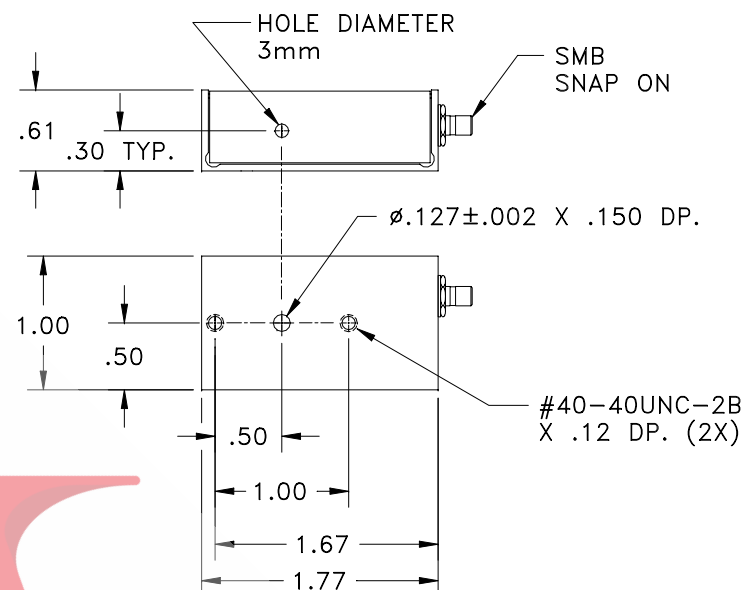
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	85	100
at Wavelength (nm)	633	633
Diffraction Efficiency (%)	82	85
Rise Time (nsec)	15	17
Modulation Bandwidth	40	31
	8	4

**For Reference
Only**

Outline Drawing:

Package Style 1



Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	G. Scholz 3/19/2003	Crystal Technology, Inc. DESCRIPTION: AOMO 3200-115 SMB-1, 200 MHz, Aper.= 0.4 mm
MATERIAL:	CHK		
FINISH:	APP		
	APP		
PART NUMBER:		97-01621-01	REV: D
		SHEET 1 OF 1	

*Active Aperture: Aperture over which performance specifications apply.