

**SPECIFICATIONS**

AO Medium		TeO2
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 <sup>2</sup>
Contrast Ratio		1000:1 Min
Polarization		90 ° To Mounting Plane

**PERFORMANCE VS WAVELENGTH**

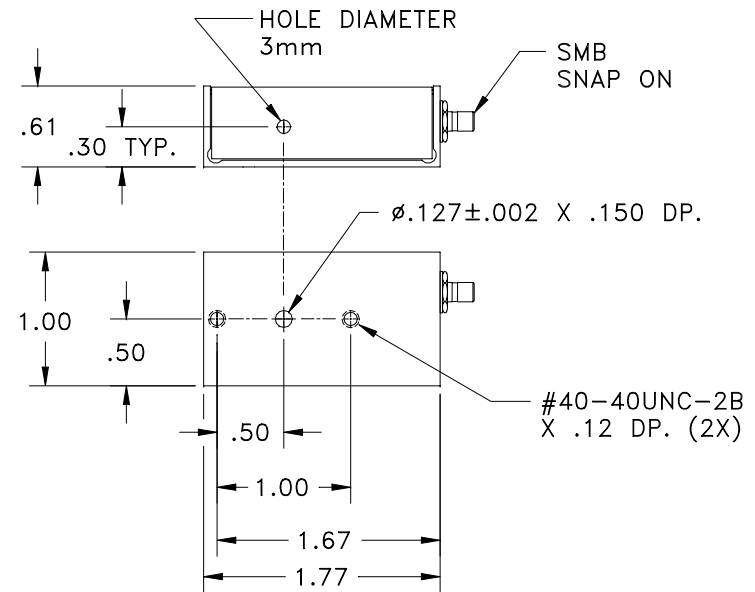
<b>Wavelength (nm)</b>	<b>633</b>
Saturation RF Power (W)	1.5
Bragg Angle (mr)	15.1
Beam Separation (mr)	30.2

**PERFORMANCE VS BEAM DIAMETER**

<b>Beam Diameter (μm)</b>	<b>85</b>	<b>100</b>
<i>at Wavelength (nm)</i>	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:**

THIS DOCUMENT IS THE PROPERTY OF CRYSTAL TECHNOLOGY, INC. IT IS NOT TO BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OTHER THAN BY EMPLOYEES CRYSTAL TECHNOLOGY AND ITS CONTRACTED REPRESENTATIVES AND DISTRIBUTORS. ANY EXCEPTION REQUIRES THE WRITTEN CONSENT OF AN AUTHORIZED REPRESENTATIVE OF CRYSTAL TECHNOLOGY.

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

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