SPECIFICATIONS

AO Medium	TeO2
Acoustic Velocity	4.2 mm/µs
Active Aperture*	2.5 mm 'L' X 1.5 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	470-690 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

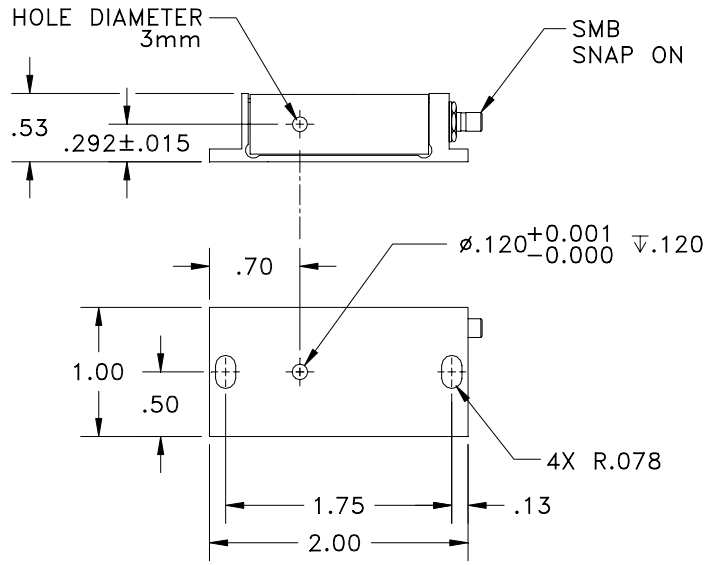
Wavelength (nm)	**470**	**532**	**633**	**690**
Saturation RF Power (W)	0.4	0.6	0.9	1.1
Bragg Angle (mr)	11.2	12.7	15.1	16.4
Beam Separation (mr)	22.4	25.4	30.2	32.8

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**1000**	**1000**	**1000**	**1000**
at Wavelength (nm)	470	532	633	690
Diffraction Efficiency (%)	85	85	85	85
Rise Time (nsec)	159	159	159	159

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document

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Control

Notes:
1. Measurements are in inches unless specified otherwise.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 4/19/2011	Crystal Technology, LLC		
MATERIAL:	CHK		DESCRIPTION: **AOMO 3200-125** 200 MHz Frequency Shifter		
FINISH:	APP				
	APP		PART NUMBER: 97-03036-01	REV: C	SHEET 1 OF 1