SPECIFICATIONS

AO Medium	TeO2
Acoustic Velocity	4.2 mm/µs
Active Aperture*	2.5 mm 'L' X 1.5 mm 'H'
Center Frequency (Fc)	100 MHz
RF Bandwidth	25 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

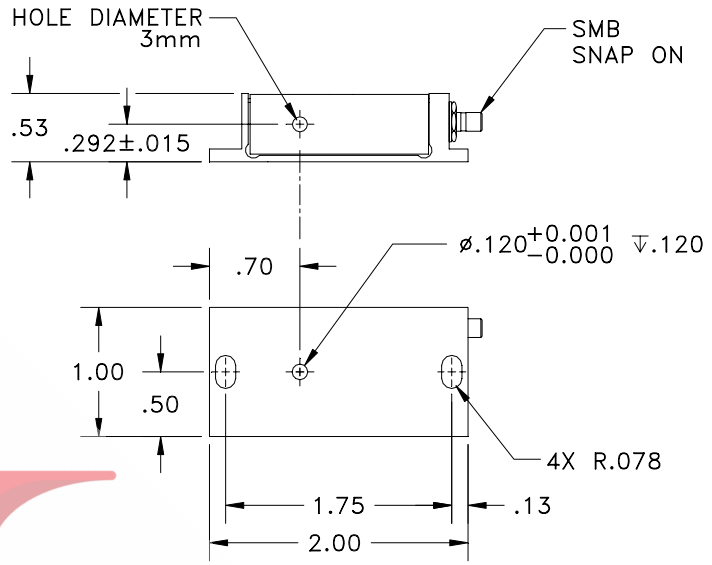
Wavelength (nm)	**470**	**532**	**633**	**690**
Saturation RF Power (W)	0.4	0.6	0.9	1.1
Bragg Angle (mr)	5.6	6.3	7.5	8.2
Beam Separation (mr)	11.2	12.6	15	16.4

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:



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Control

Notes:

TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 4/19/2011	Crystal Technology, LLC
MATERIAL:	CHK		DESCRIPTION: **AOMO 3100-125** 100 MHz Frequency Shifter
FINISH:	APP		
	APP		PART NUMBER: 97-03035-01 REV: B SHEET 1 OF 1