

SPECIFICATIONS

AO Medium		TeO ₂
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

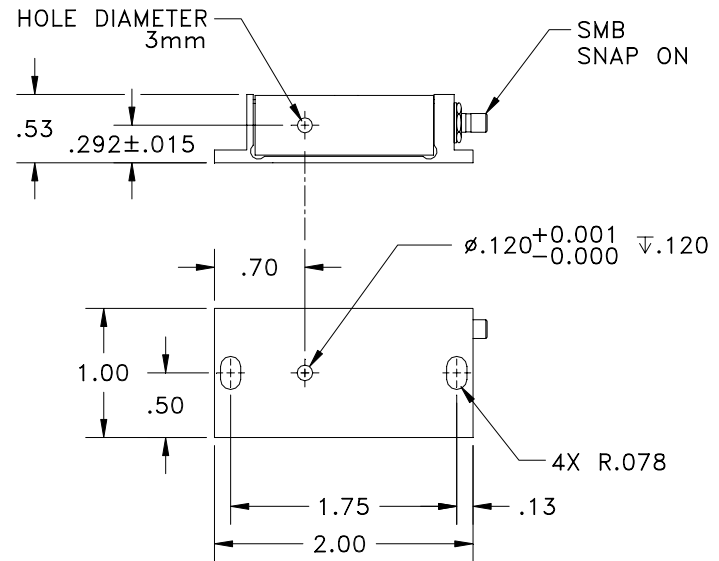
PERFORMANCE VS WAVELENGTH

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) at Wavelength (nm)	1000	1000	1000	1000
Diffraction Efficiency (%)	85	85	85	85
Rise Time (nsec)	159	159	159	159

Outline Drawing:



Document
05/03/11
Control

Ordering Information:



800 Village Walk #316
Guilford, CT 06437
Ph: 203-401-8093

Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282

Notes:

1. Measurements are in inches unless specified otherwise.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Gerri Scholz 4/19/2011	<p>DESCRIPTION: AOMO 3200-125 200 MHz Frequency Shifter</p>
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 97-03036-01 REV: C SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.