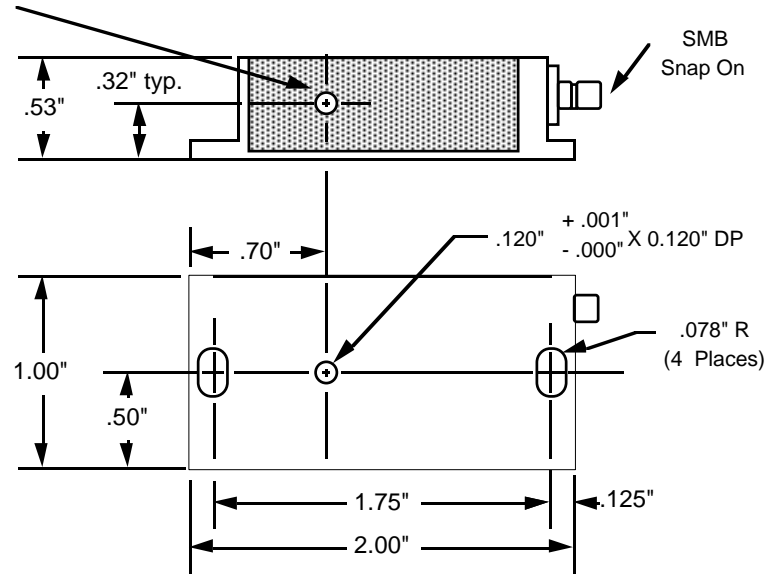


SPECIFICATIONS

AO Medium	Crystalline Quartz	
Acoustic Velocity	5.74 mm/μs	
Active Aperture*	.5 mm 'L' X	.25 mm 'H'
Center Frequency (Fc)	220 MHz	
RF Bandwidth	60 MHz @	-10 dB Return Loss
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.4:1 Max	
Wavelength	413 nm	
Insertion Loss	5 % Max	
Reflectivity per Surface	1 % Max	
Anti-Reflection Coating	MIL-C-48497	
Optical Power Density	N/A	W/mm ²
Contrast Ratio	1000:1 Min	
Polarization	90 ° To Mounting Plane	

Outline Drawing: Package Style 2B



For Reference Only

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	488	413
Operational RF Power (W)	2.5	2.5
Bragg Angle (mr)	9.4	7.9
Beam Separation (mr)	18.8	15.8

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	150	150
<i>at Wavelength (nm)</i>	488	413
Diffraction Efficiency (%)	>70	80
Rise Time (nsec)	19	19
Modulation Bandwidth	60	
Beam Ellipticity	< 7%	

Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 4/10/2006	Crystal Technology, Inc. DESCRIPTION: AOMO 3220-120 413 nm (UV)
MATERIAL:	CHK		
FINISH:	APP		PART NUMBER: 97-02439-01
	APP		REV: B
			SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.