SPECIFICATIONS

AO Medium	Crystalline Quartz
Acoustic Velocity	5.74 mm/µs
Active Aperture*	.5 mm 'L' X .25 mm 'H'
Center Frequency (Fc)	200 MHz
RF Bandwidth	100 MHz @ -5 dB Return Loss
Input Impedance	50 Ohms Nominal
VSWR @ Fc	1.4 :1 Max
Wavelength	325-365 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

PERFORMANCE VS WAVELENGTH

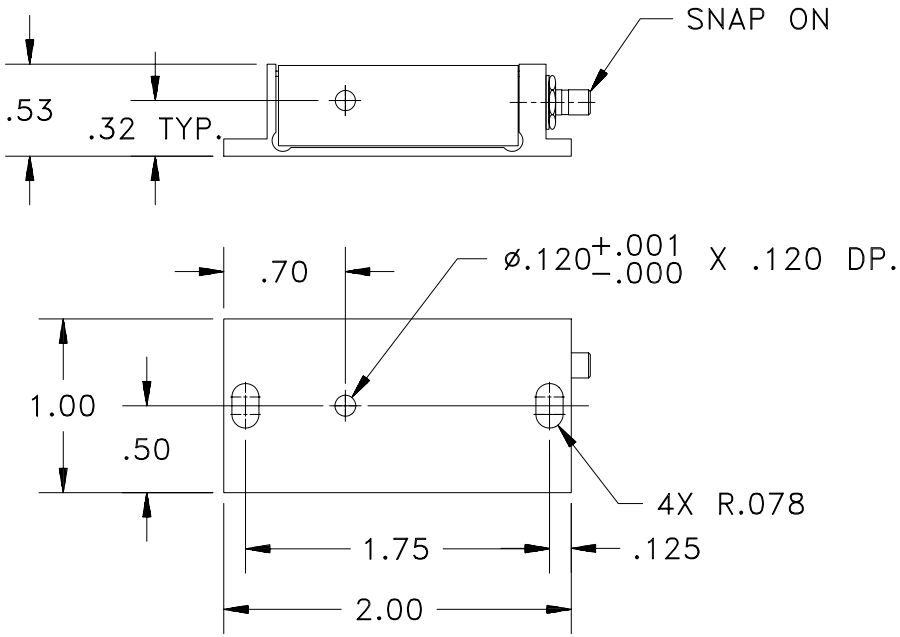
Wavelength (nm)	**325**	**365**
Operational RF Power (W)	2.5	2.5
Bragg Angle (mr)	5.7	6.4
Beam Separation (mr)	11.4	12.8

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**70**	**70**
at Wavelength (nm)	325	365
Diffraction Efficiency (%)	80	80
Rise Time (nsec)	10	10
Modulation Bandwidth	100	100
Beam Ellipticity	NA	NA

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing: **Package STYLE 2B**



For Reference Only

Notes:
* Saturation RF Power is 3.4 Watts

TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 4/10/2006	**Crystal Technology, Inc.**		
MATERIAL:	CHK		DESCRIPTION: **AOMO 3200-1210** 325 -365nm (UV)		
FINISH:	APP				
	APP		PART NUMBER: 97-02377-01	REV: A	SHEET 1 OF 1