SPECIFICATIONS

AO Medium				Crystalline Quartz
Acoustic Velocity				5.74 mm/µs
Active Aperture*	2.5	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				1.5 :1 Max
Wavelength				257 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

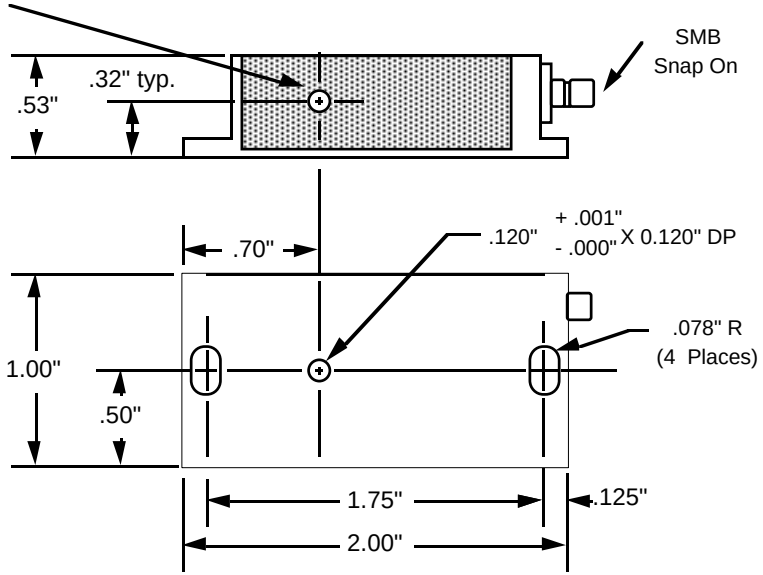
Wavelength (nm)	**257**
Operational RF Power (W)	1.
Bragg Angle (mr)	4.5
Beam Separation (mr)	9

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**70**
at Wavelength (nm)	257
Diffraction Efficiency (%)	75
Rise Time (nsec)	10
Modulation Bandwidth	NA
Beam Ellipticity	NA

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing: **Package Style 2B**



For Reference Only

Notes:
* Saturation RF Power is 1 Watts
DE is measured @488, DE @488 ≥ 32%, 70 micron spot, 1 watt RF.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	G. Scholz 4/10/2006	Crystal Technology, Inc.		
MATERIAL:	CHK		DESCRIPTION: AOMO 3200-1220 257 nm (UV)		
FINISH:	APP				
	APP		PART NUMBER: 97-02513-01	REV: A	SHEET 1 OF 1