

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

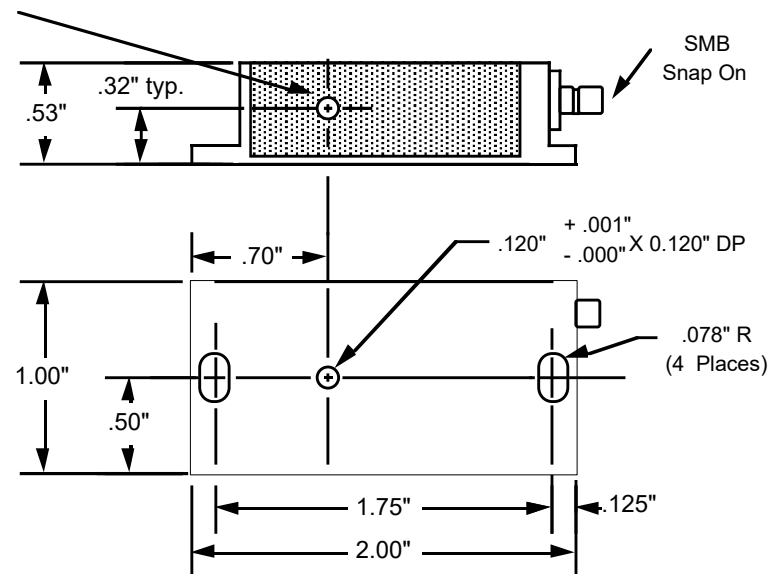
| | |
|--------------------------|------------|
| Wavelength (nm) | 257 |
| Operational RF Power (W) | 1. |
| Bragg Angle (mr) | 4.5 |
| Beam Separation (mr) | 9 |

PERFORMANCE VS BEAM DIAMETER

| | |
|----------------------------|-----------|
| Beam Diameter (μm) | 70 |
| <i>at Wavelength (nm)</i> | 257 |
| Diffraction Efficiency (%) | 75 |
| Rise Time (nsec) | 10 |
| Modulation Bandwidth | NA |
| Beam Ellipticity | NA |

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.

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

