SPECIFICATIONS AO Medium Crystalline Quartz Acoustic Velocity 5.74 mm/µs Active Aperture* 2.5 mm 'L' X 0.2 mm 'H' Center Frequency (Fc) 307.5 MHz RF Bandwidth 150 MHz @ -8.5 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** W/mm² N/A Contrast Ratio 1000:1 Min 90 ° To Mounting Plane Polarization

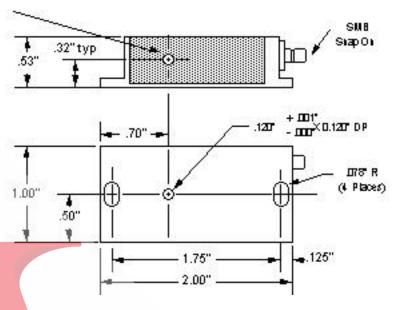
PERFORMANCE VS WAVELENGTH

| Wavelength (nm) | 413 |
|--------------------------|------|
| Operational RF Power (W) | 2.5 |
| Bragg Angle (mr) | 11.1 |
| Beam Separation (mr) | 22.2 |
| | |

PERFORMANCE VS BEAM DIAMETER

| Beam Diameter (µm) | 30 | |
|----------------------------|-----|----|
| at Wavelength (nm) | 413 | |
| Diffraction Efficiency (%) | 45 | |
| Rise Time (nsec) | 7 | |
| Modulation Bandwidth | | |
| Beam Ellipticity | NA | NA |
| | | |

Outline Drawing:



Document

10/31/13 Control

Notes:

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| TOLERANCES: .XX ± .01 .XXX ± .005 | DR | G. SCHOLZ 10/7/2013 | Gooch & Housego | | | |
|---|-----|------------------------|--------------------------|--------------------------|--------------|--|
| MATERIAL: | СНК | | DESCRIPTION: AOMO | 3307-120 13 nm | | |
| FINISH: | APP | | 4 | | | |
| | APP | | PART NUMBER: 97-02408-01 | REV: | SHEET 1 OF 1 | |

^{*}Active Aperture: Aperture over which performance specifications apply.