

SPECIFICATIONS

AO Medium		TeO2
Acoustic Velocity		4.2 mm/μs
Active Aperture*		2 mm 'H'
Center Frequency (Fc)		80 MHz
RF Bandwidth	25 MHz @	-9 dB Return Loss
Input Impedance		50 Ohms Nominal
VSWR @ Fc		1.3 :1 Max
Wavelength		442-633 nm
Insertion Loss		5 % Max
Reflectivity per Surface		1 % Max
Anti-Reflection Coating		MIL-C-48497
Optical Power Density		250 W/mm ²
Contrast Ratio		1000 :1 Min
Polarization		90 ° To Mounting Plane

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	633
Saturation RF Power (W)	1.0
Bragg Angle (mr)	6
Beam Separation (mr)	12

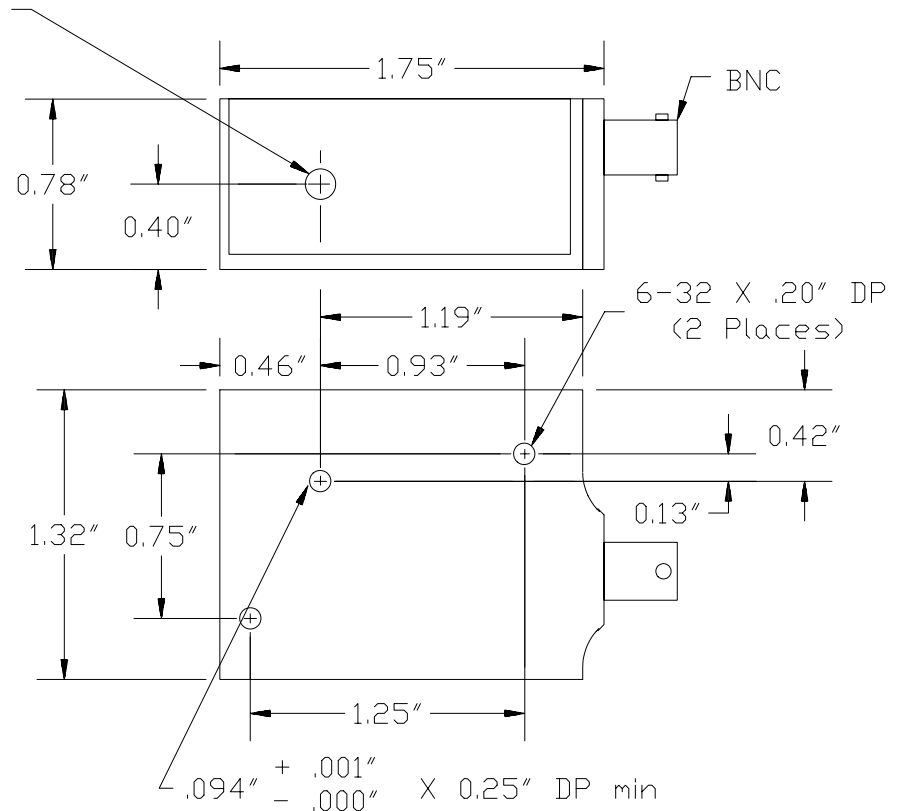
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	125	200	400
<i>at Wavelength (nm)</i>	633	633	633
Diffraction Efficiency (%)	65	80	90
Rise Time (nsec)	23	34	65
Modulation Bandwidth	20	12	6
Beam Ellipticity	NA	NA	NA

**For Reference
Only**

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing: Package Style 5



Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/17/2002	Crystal Technology, Inc. DESCRIPTION: AOMO 3080-151		
MATERIAL:	CHK				
FINISH:	APP		PART NUMBER:	99-01000-01	REV: F
	APP				SHEET 1 OF 1