

SPECIFICATIONS

AO Medium		TeO2
Acoustic Velocity		4.2 mm/μs
Active Aperture*	2.5 mm 'L' X	0.45 mm 'H'
Center Frequency (Fc)		200 MHz
RF Bandwidth	50 MHz @	-10 dB Return Loss
Input Impedance		50 Ohms Nominal
VSWR @ Fc		1.3:1 Max
Wavelength		442-488 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)	442	488
Saturation RF Power (W)	0.53	0.65
Bragg Angle (mr)	10.5	11.6
Beam Separation (mr)	21	23.2

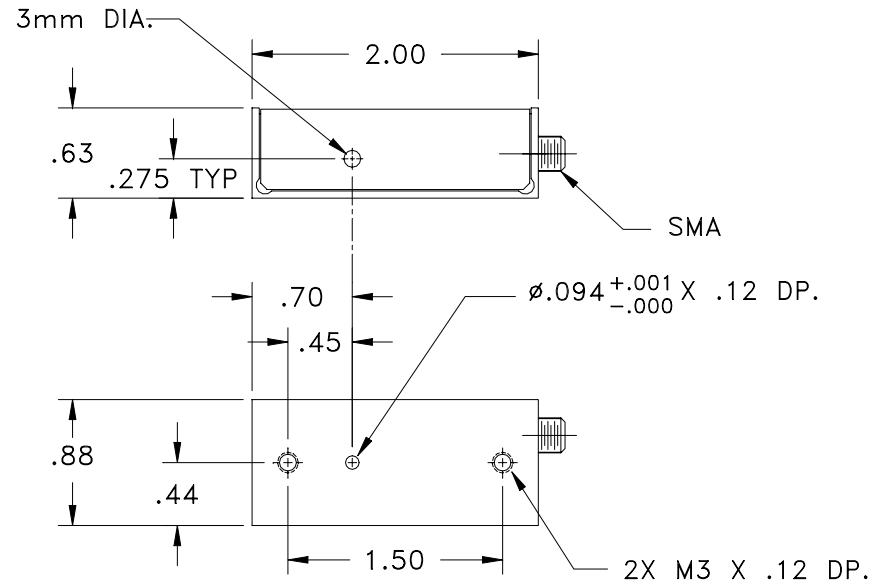
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	60	80	100	120
<i>at Wavelength (nm)</i>	488	488	488	488
Diffraction Efficiency (%)	70	75	80	80
Rise Time (nsec)	13	16	19	23
Modulation Bandwidth	52	40	31	26.5
Beam Ellipticity	15	8	4	2

**For Reference
Only**

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing: Package AOMO 3200-141



Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/17/2002	Crystal Technology, Inc. DESCRIPTION: AOMO 3200-141 200 MHz SMA-2 PrF2
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 99-48146-13
			REV: C
			SHEET 1 OF 1