

SPECIFICATIONS

AO Medium	TeO2	
Acoustic Velocity	4.2 mm/ μ s	
Active Aperture*	2.5 mm 'L' X	0.4 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	4 % 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

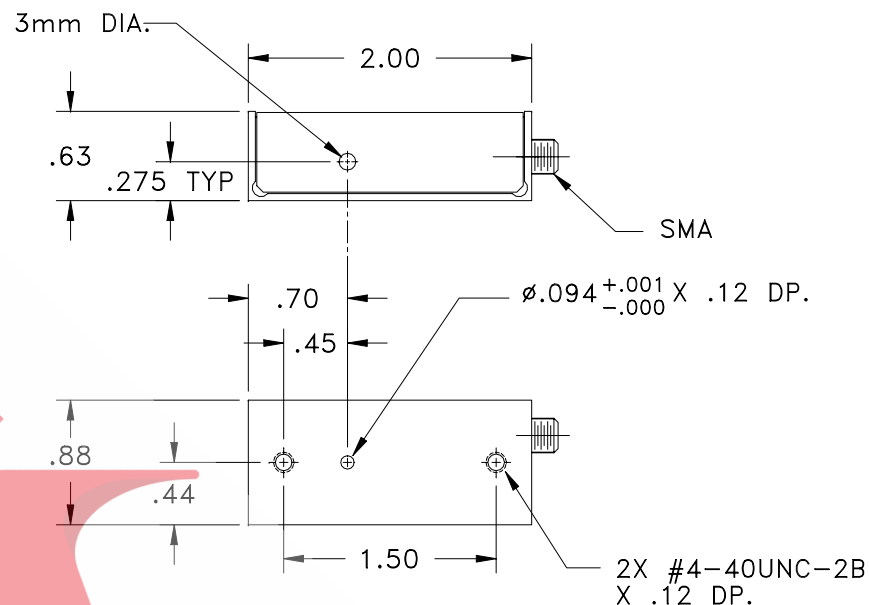
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	60	80	100	120
at Wavelength (nm)	488	488	488	488
Diffraction Efficiency (%)	70	75	80	80
Rise Time (nsec)	11	14	17	20
Modulation Bandwidth	52.0	40.0	31.0	26.5
Beam Ellipticity	15	8	4	2

**For Reference
Only**

Outline Drawing:

Package AOMO 3200-130



Notes:

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TOLERANCES: .XX \pm .01 .XXX \pm .005	DR	A. Campi 3/9/2001	Crystal Technology, Inc. DESCRIPTION: AOMO 3200-130
MATERIAL:	CHK		
FINISH:	APP		
	APP		
PART NUMBER:		99-20022-01	REV: C
			SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.