SPECIFICATIONS

AO Medium TeO2

Acoustic Velocity 4.2 mm/µs

Active Aperture* 2.5 mm 'L' X 1 mm 'H'

Center Frequency (Fc) 80 MHz

RF Bandwidth 20 MHz @ -10 dB Return Loss

Input Impedance 50 Ohms Nominal

VSWR @ Fc 1.3:1 Max

Wavelength 442-633 nm

Insertion Loss 4 % Max

Reflectivity per Surface 1 % Max

Anti-Reflection Coating MIL-C-48497

Optical Power Density 250 W/mm²

Contrast Ratio 1000:1 Min

Polarization 90 ° To Mounting Plane

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	442	488	515	633
Saturation RF Power (W)	0.27	0.33	0.36	0.55
Bragg Angle (mr)	4.2	4.6	4.9	6
Beam Separation (mr)	8.4	9.2	9.8	12

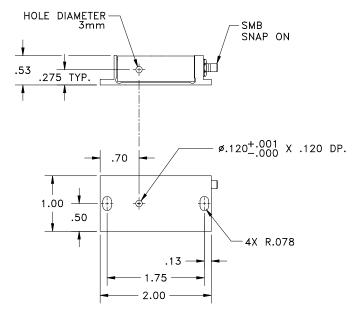
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	200	300	500
at Wavelength (nm)	633	633	633
Diffraction Efficiency (%)	80	83	85
Rise Time (nsec)	34	49	80
	15.9	10.6	6.3
	10	5	1

For Reference Only

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing: Package AOMO 3080-120





Notes

Optical Ghosting Due To Acoustic Reflection 0.5% Maximum.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/17/2002	Crystal Technology, Inc.				
MATERIAL:	СНК		AOMO	3080-12	-120		
FINISH:	APP						
	APP		PART NUMBER: 99-48201-11	F F	SHEET 1 OF 1		