

SPECIFICATIONS

AO Medium	TeO ₂	
Acoustic Velocity	4.2 mm/μs	
Active Aperture*	2.5 mm 'L' X	0.6 mm 'H'
Center Frequency (Fc)	120 MHz	
RF Bandwidth	15 MHz @ -10 dB Return Loss	
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.3 :1 Max	
Wavelength	1064 nm	
Insertion Loss	2 % Max	
Reflectivity per Surface	0.5 % Max	
Anti-Reflection Coating	MIL-C-48497	
Optical Power Density	10 MW/cm ²	
Contrast Ratio	1000 :1 Min	
Polarization	Random	

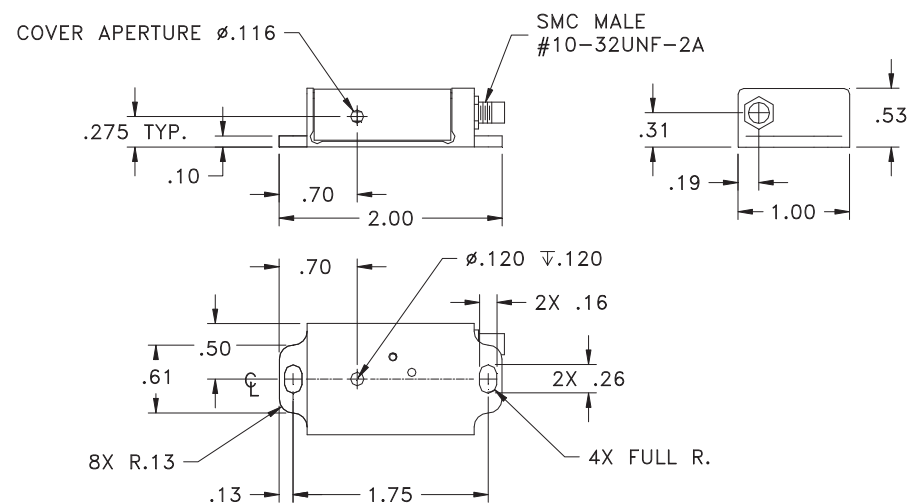
PERFORMANCE VS WAVELENGTH

Wavelength (nm)	1064
Operational RF Power (W)	2.0
Bragg Angle (mr)	15.2
Beam Separation (mr)	30.4

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	375
at Wavelength (nm)	1064
Diffraction Efficiency (%)	80
Rise Time (nsec)	73
Modulation Bandwidth	4.5
Beam Ellipticity	NA

Outline Drawing:



Document

05/22/15

Control

Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 5/13/2015	Gooch & Housego		
MATERIAL:	CHK		DESCRIPTION: AOMO 3120-193 .6mm aperture		
FINISH:	APP		PART NUMBER:	REV:	SHEET
	APP		97-03248-04	5	1 OF 1

*Active Aperture: Aperture over which performance specifications apply.