SPECIFICATIONS

AO Medium	TeO2
Acoustic Velocity	4.2 mm/μs
Active Aperture*	2.5 mm 'L' X 0.5 mm 'H'
Center Frequency (Fc)	80 MHz
RF Bandwidth	15 MHz @ -10 dB Return Loss
Input Impedance	50 Ohms Nominal
VSWR @ Fc	1.3 :1 Max
Wavelength	2000 nm
Insertion Loss	2 % Max
Reflectivity per Surface	.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

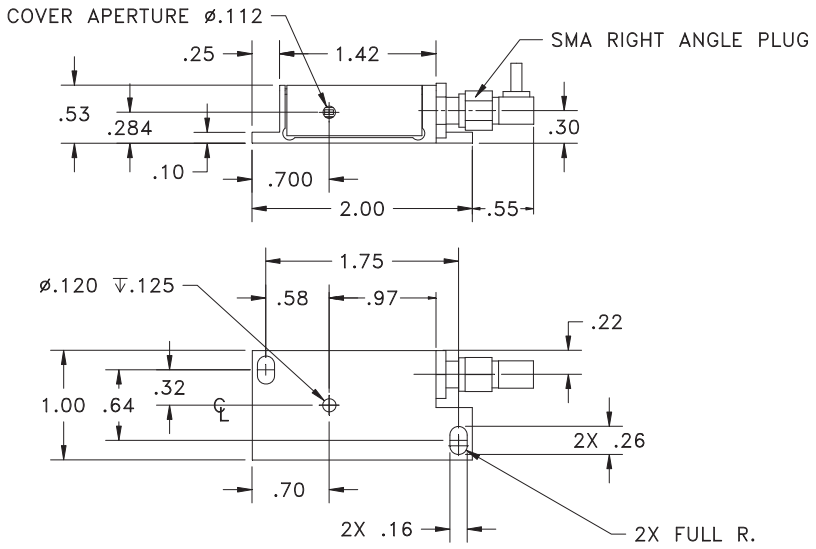
Wavelength (nm)	**2000**
Operational RF Power (W)	6 Peak
Bragg Angle (mr)	19
Beam Separation (mr)	38

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	**300**
at Wavelength (nm)	2000
Diffraction Efficiency (%)	80
Rise Time (nsec)	73
Modulation Bandwidth	4.5
Beam Ellipticity	NA

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document

06/16/15

Control

Notes:
ROHS compliant
Maximum average RF power 3W.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 6/11/2015	Gooch & Housego	
MATERIAL: RoHS Compliant	CHK		DESCRIPTION: **AOMO 3080-1980** 2μm .5mm aperture	
FINISH:	APP			
	APP		PART NUMBER: 97-03250-01	REV: A
				SHEET 1 OF 1