

SPECIFICATIONS

AO Medium	TeO ₂
Acoustic Velocity	4.2 mm/μs
Active Aperture*	1 mm 'L' X 0.23 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	1550 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

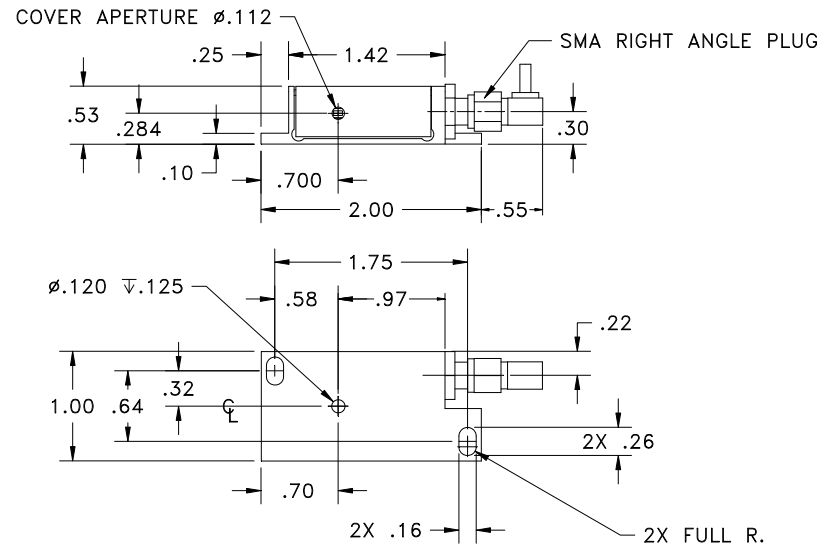
Wavelength (nm)	1550
Operational RF Power (W)	2
Bragg Angle (mr)	14.8
Beam Separation (mr)	29.6

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	180
at Wavelength (nm)	1550
Diffraction Efficiency (%)	80
Rise Time (nsec)	31

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document 01/31/14 Control

Notes:
ROHS compliant
Maximum average RF power 2.5W.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 1/28/2014	Gooch & Housego		
MATERIAL:	CHK		DESCRIPTION: AOMO 3080 1.55μm .23mm aperture		
FINISH:	APP		PART NUMBER:	REV:	SHEET
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