

SPECIFICATIONS

AO Medium	TeO ₂	
Acoustic Velocity	4.2 mm/μs	
Active Aperture*	2.5 mm 'L' X	1 mm 'H'
Center Frequency (Fc)	80 MHz	
RF Bandwidth	30 MHz @	-10 dB Return Loss
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.3:1 Max	
Wavelength	1047-1060 nm	
Insertion Loss	4 % Max	
Reflectivity per Surface	0.5 % Max	
Anti-Reflection Coating	MIL-C-48497	
Optical Power Density	50 MW/cm ²	
Contrast Ratio	1000:1 Min	
Polarization	90 ° To Mounting Plane	

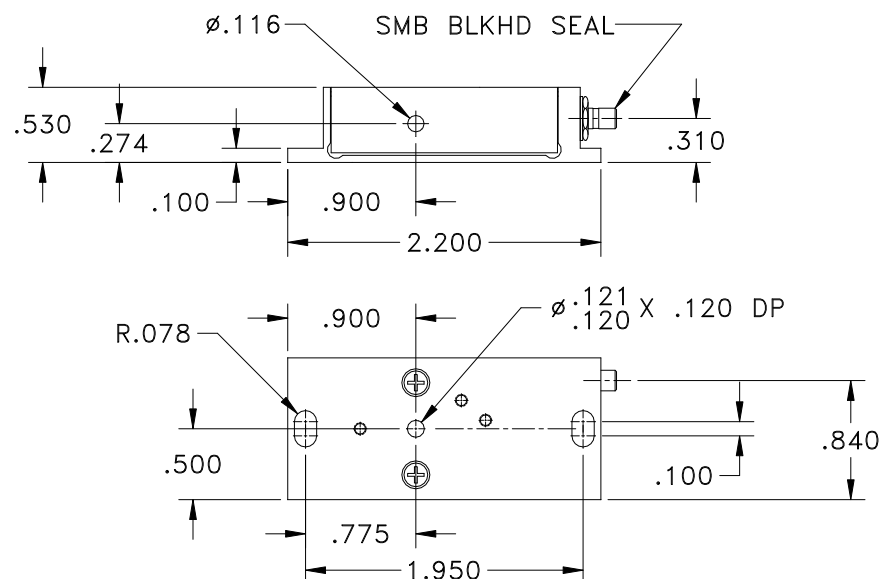
PERFORMANCE VS WAVELENGTH

Wavelength (nm)	1060
Saturation RF Power (W)	1.5
Bragg Angle (mr)	10.1
Beam Separation (mr)	20.2

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	1000	500	250
at Wavelength (nm)	1060	1060	1060
Diffraction Efficiency (%)	85	80	70
Rise Time (nsec)	153	78	41
Modulation Bandwidth	20	20	20
Beam Ellipticity	NA	NA	NA

Outline Drawing:



Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 2/6/2026	Gooch & Housego	
MATERIAL:	CHK		DESCRIPTION: AOMO 3080-197 1.06 μm, 80 MHz, Heatsink	
FINISH:	APP		PART NUMBER: 97-02848-01	REV: D
	APP			SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.