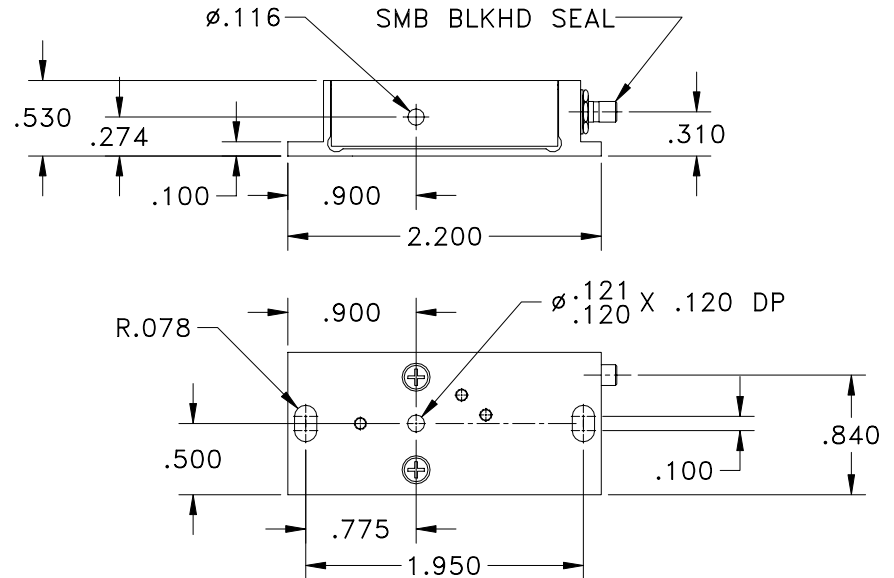


SPECIFICATIONS

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	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

Outline Drawing: Package 97-02848-01



For Reference Only

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)	150
<i>at Wavelength (nm)</i>	1060
Diffraction Efficiency (%)	70
Rise Time (nsec)	53
Modulation Bandwidth	20
Beam Ellipticity	NA

Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 4/10/2006	Crystal Technology, Inc. DESCRIPTION: AOMO 3080-197 1.06 μm, 80 MHz, Heatsink
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 97-02848-01 REV: 0 SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.