

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	1550 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	

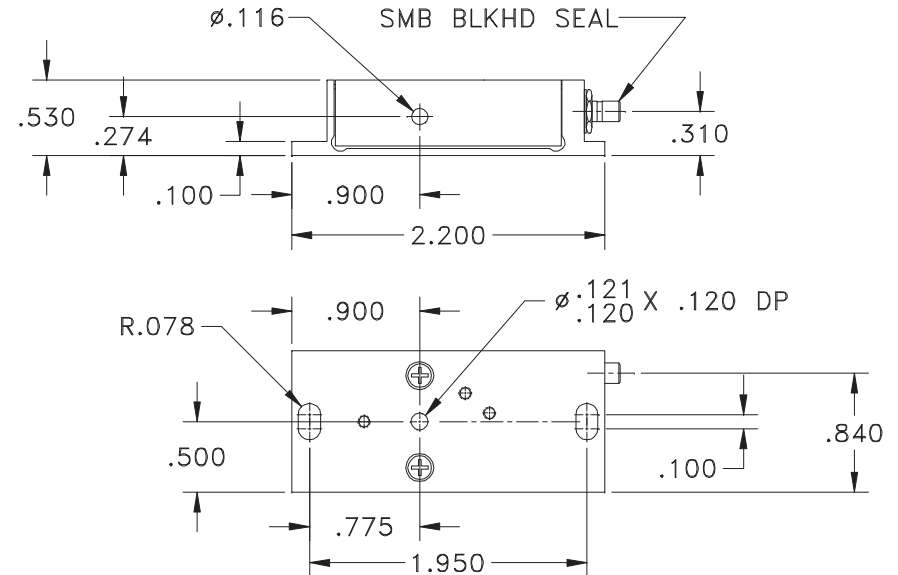
PERFORMANCE VS WAVELENGTH

Wavelength (nm)	1550
Operational RF Power (W)	3.5
Bragg Angle (mr)	14.8
Beam Separation (mr)	29.6

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	500
at Wavelength (nm)	1550
Diffraction Efficiency (%)	80
Rise Time (nsec)	90
Modulation Bandwidth	20
Beam Ellipticity	NA

Outline Drawing:



Document

03/14/17

Control

Notes:

THIS DOCUMENT IS THE PROPERTY OF GOOCH AND HOUSEGO. IT IS NOT TO BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OTHER THAN BY EMPLOYEES OF GOOCH AND HOUSEGO AND ITS CONTRACTED REPRESENTATIVES AND DISTRIBUTORS. ANY EXCEPTION REQUIRES THE WRITTEN CONSENT OF AN AUTHORIZED REPRESENTATIVE OF GOOCH AND HOUSEGO.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 3/13/2017	 AOMO 3080-197 1550 nm, 80 MHz, Heatsink		
MATERIAL:	CHK				
FINISH:	APP				
	APP		PART NUMBER: 97-02848-02	REV: 1	SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.