

SPECIFICATIONS

AO Medium	TeO ₂		
Acoustic Velocity	4.2 mm/μs		
Active Aperture*	2.5 mm 'L' X	1.75 mm 'H'	
Center Frequency (Fc)	110 MHz		
RF Bandwidth	10 MHz @	-13 dB	Return Loss
Input Impedance	50 Ohms Nominal		
VSWR @ Fc	1.3:1 Max		
Wavelength	1060 nm		
Insertion Loss	4 % 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	90 ° To Mounting Plane		

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	1060
Saturation RF Power (W)	2.5
Bragg Angle (mr)	13.9
Beam Separation (mr)	27.8

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	1100
at Wavelength (nm)	1060
Diffraction Efficiency (%)	85
Rise Time (nsec)	200
Modulation Bandwidth	3
Beam Ellipticity	NA

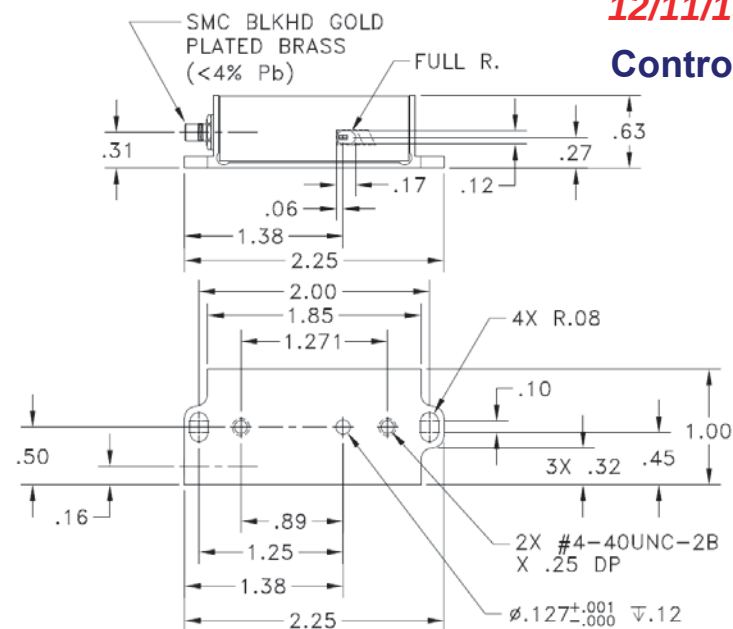
Special Testing

Loss Modulation

CR (0 order)

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



NOTES:

1. MATERIAL: 6061-T6 ALUMINUM.
2. FINISH: CHROMATE CONVERSION COAT PER MIL-C-5541E, CLASS 3. (COLOR CLEAR)

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	G. Scholz 11/27/2019			
MATERIAL:	CHK				
FINISH:	APP		AOMO 3110-191		
			PART NUMBER:	97-02248-51	REV: C
			SHEET 1 OF 1		

Document

12/11/19

Control