

SPECIFICATIONS

AO Medium	TeO2	
Acoustic Velocity	4.2 mm/μs	
Active Aperture*	1.2 mm 'L' X	1.2 mm 'H'
Center Frequency (Fc)	150 MHz	
RF Bandwidth	15 MHz @	-10 dB Return Loss
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.3:1 Max	
Wavelength	405-650 nm	
Insertion Loss	2 % Max	
Reflectivity per Surface	0.5 % Max	
Anti-Reflection Coating	MIL-C-48497	
Optical Power Density	MW/cm ²	
Contrast Ratio	1000:1 Min	
Polarization	90° To Mounting Plane	

PERFORMANCE VS WAVELENGTH

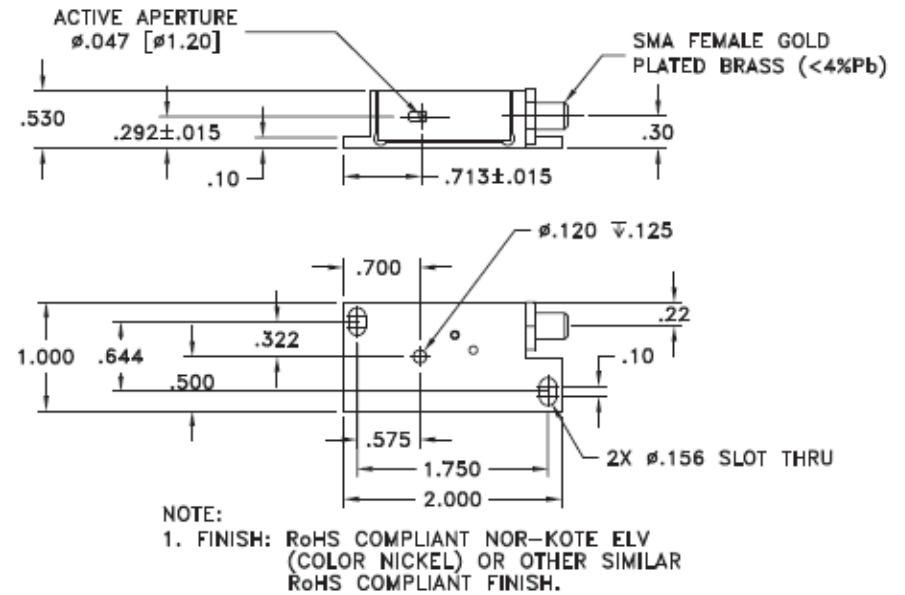
Wavelength (nm)	633
Saturation RF Power (W)	.5
Bragg Angle (mr)	11.3
Beam Separation (mr)	22.6

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	700
at Wavelength (nm)	633
Diffraction Efficiency (%)	75
Rise Time (nsec)	73
Modulation Bandwidth	4.5
Beam Ellipticity	NA

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document
01/15/20
Control

Notes:
 Maximum RF 1W

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	G.Scholz 1/13/2020	 AOMO 3150 405-650nm, 1.2mm aperture		
MATERIAL:	CHK				
FINISH:	APP				
	APP		PART NUMBER: 97-03465-01	REV: 1	SHEET 1 OF 1