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

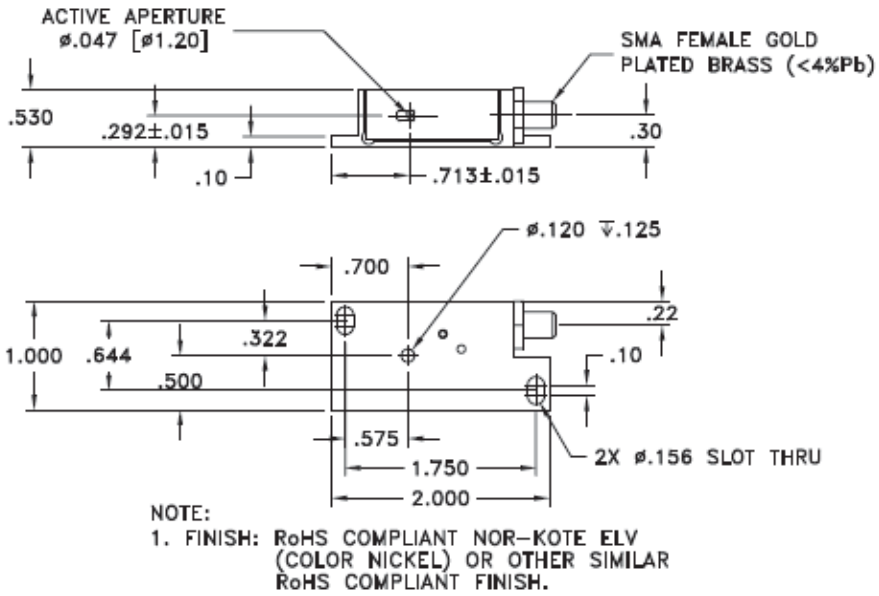
Wavelength (nm)	**633**
Saturation RF Power (W)	.5
Bragg Angle (mr)	11.3
Beam Separation (mr)	22.6

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

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Control

Notes:
Maximum RF 1W

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