

SPECIFICATIONS

AO Medium	Crystalline Quartz
Acoustic Velocity	5.74 mm/ μ s
Active Aperture*	0.2 mm 'L' X 0.25 mm 'H'
Center Frequency (Fc)	250 MHz
RF Bandwidth	80 MHz @ -10 dB Return Loss
Input Impedance	50 Ohms Nominal
VSWR @ Fc	1.4 :1 Max
Wavelength	532 nm
Insertion Loss	2 % Max
Reflectivity per Surface	.5 % Max
Anti-Reflection Coating	MIL-C-48497
Optical Power Density	N/A W/mm ²
Contrast Ratio	1000 :1 Min
Polarization	90 ° To Mounting Plane

PERFORMANCE VS WAVELENGTH

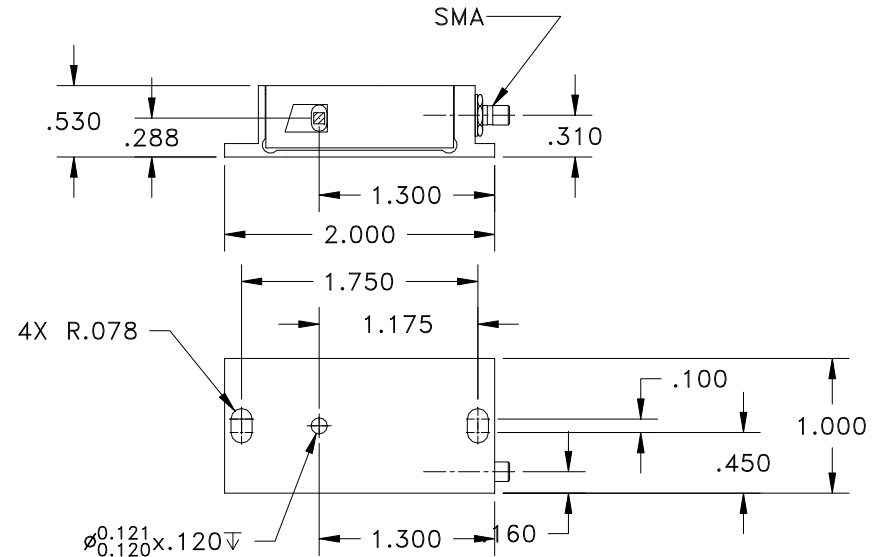
Wavelength (nm)	532
Operational RF Power (W)	6.6
Bragg Angle (mr)	11.6
Beam Separation (mr)	23.2

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	150
at Wavelength (nm)	532
Diffraction Efficiency (%)	90
Rise Time (nsec)	21
Modulation Bandwidth	

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document
10/31/13
Control

Notes:

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TOLERANCES: .XX $\pm$.01 .XXX $\pm$.005	DR	A. Campi 10/7/2013	 AOMO 3250-220 532 nm		
MATERIAL:	CHK				
FINISH:	APP				
	APP		PART NUMBER: 97-02965-01	REV: B	SHEET 1 OF 1