SPECIFICATIONS

AO Medium	Crystalline Quartz
Acoustic Velocity	5.74 mm/µs
Active Aperture*	6.6 mm 'L' X 6.6 mm 'H'
Center Frequency (Fc)	110 MHz
RF Bandwidth	20 MHz @ -10 dB Return Loss
Input Impedance	50 Ohms Nominal
VSWR @ Fc	1.2 :1 Max
Wavelength	343-355 nm
Insertion Loss	1 % Max
Reflectivity per Surface	0.3 % Max
Anti-Reflection Coating	MIL-C-48497
Optical Power Density	
Contrast Ratio	1000 :1 Min
Polarization	90° To Mounting Plane

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	**355**
Operational RF Power (W)	<12W
Bragg Angle (mr)	3.4
Beam Separation (mr)	6.8

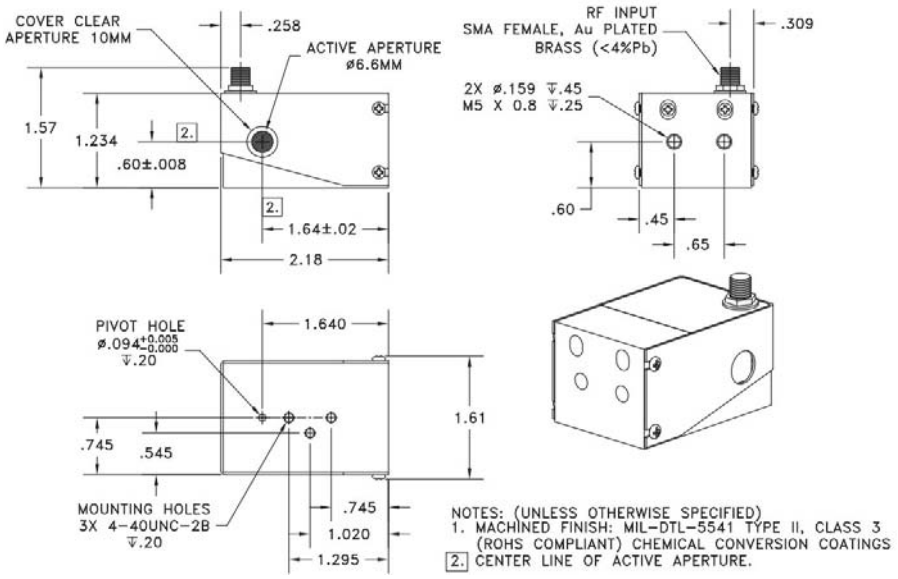
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**4500**
at Wavelength (nm)	355
Diffraction Efficiency (%)	95
Rise Time (nsec)	523

Document
02/18/2025
Control

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Notes:

1. mechanical outline per 97-03298-01-15
2. optical window wedge <1'.

*-.7db roll off of efficiency at vertical aperture edges.

TOLERANCES: .XX ±.01 .XXX ±.005	DR	A. Campi 2/5/2025	Gooch & Housego		
MATERIAL:	CHK		DESCRIPTION: AOMO 3110-1999 Quartz, 355um		
FINISH:	APP				
	APP		PART NUMBER: 97-03298-01	REV: 3	SHEET 1 OF 1