

SPECIFICATIONS

AO Medium	Crystalline Quartz	
Acoustic Velocity	5.74 mm/μs	
Active Aperture*	1.5 mm 'L' X	1.5 mm 'H'
Center Frequency (Fc)	100 MHz	
RF Bandwidth	15 MHz @	-10 dB Return Loss
Input Impedance	50 Ohms Nominal	
	1.2 :1 Max	
Wavelength	355-370 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	

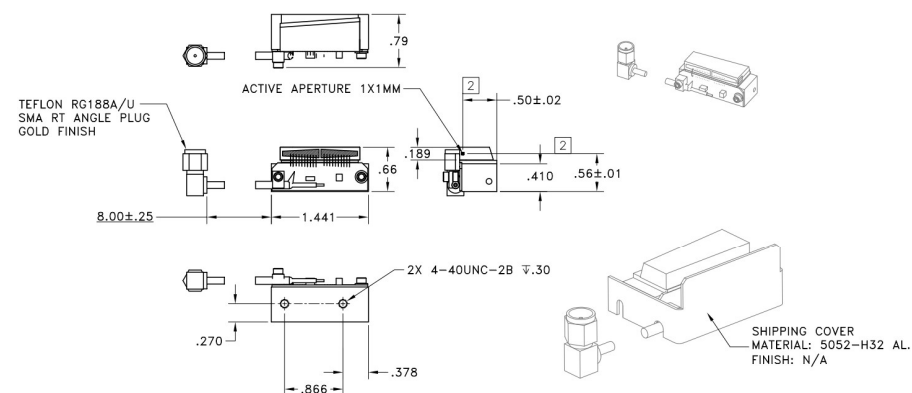
PERFORMANCE VS WAVELENGTH

Wavelength (nm)	370
Operational RF Power (W)	<2.5W
Bragg Angle (mr)	3.2
Beam Separation (mr)	6.4

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	1000
at Wavelength (nm)	370
Diffraction Efficiency (%) AOMO	>85%
Rise Time (nsec)	117

Outline Drawing:



NOTES: (UNLESS OTHERWISE SPECIFIED)
 1. MACHINED FINISH: ELECTROLESS NICKEL 500μ INCHES PER AMS-2404C, MUST BE RoHS COMPLIANT.
 [2] CENTER LINE OF ACTIVE APERTURE.

Notes:
 Crystal optical path 30mm

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/18/2026			
MATERIAL:	CHK				
FINISH:	APP		3100 Quartz, .355-.370um		
	APP		PART NUMBER: 97-03378-01	REV: 2	SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.

Document
 03/12/24
 Control