

SPECIFICATIONS

AO Medium	Crystalline Quartz		
Acoustic Velocity	5.74 mm/μs		
Active Aperture*	2.5 mm 'L' X	2.5 mm 'H'	
Center Frequency (Fc)	80 MHz		
RF Bandwidth	20 MHz @	-10 dB	Return Loss
Input Impedance	50 Ohms Nominal		
VSWR @ Fc	1.2:1 Max		
Wavelength	532 nm		
Insertion Loss	.5 % 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		

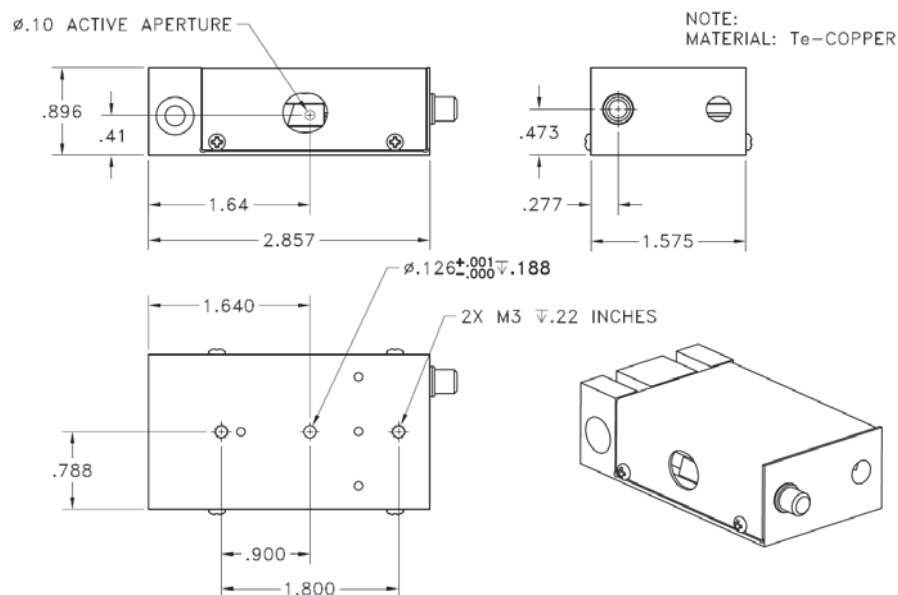
PERFORMANCE VS WAVELENGTH

Wavelength (nm)	532
Operational RF Power (W)	4.9
Bragg Angle (mr)	3.7
Beam Separation (mr)	7.4

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	1500
at Wavelength (nm)	532
Diffraction Efficiency (%)	80
Rise Time (nsec)	175

Outline Drawing:



Document

09/13/18

Control

Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 9/6/2018		
MATERIAL:	CHK			
	APP		AOMO 3080-294 Quartz, 532um	
	APP			
		PART NUMBER:	97-03118-04	REV: A
		SHEET 1 OF 1		

*Active Aperture: Aperture over which performance specifications apply.