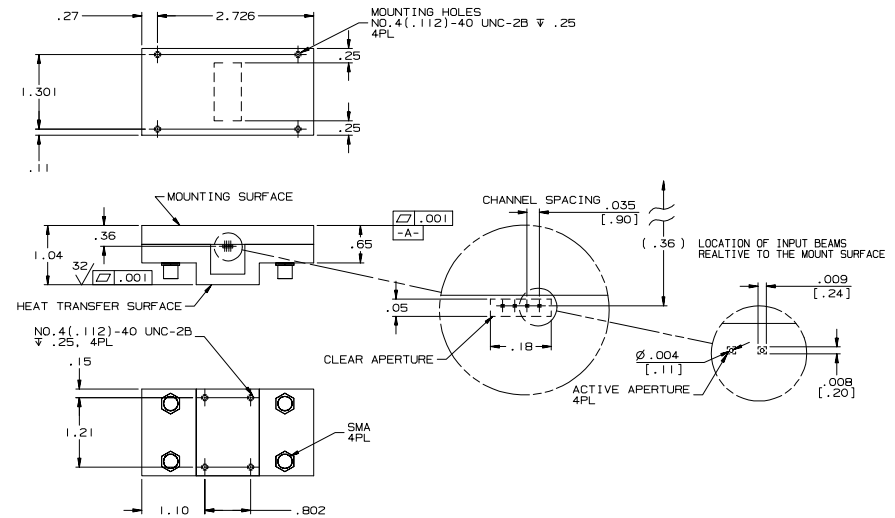


SPECIFICATIONS

AO Medium	Crystalline Quartz		
Acoustic Velocity	5.74 mm/μs		
Active Aperture*	.5 mm 'L' X	.24 mm 'H'	
Center Frequency (Fc)	220 MHz		
RF Bandwidth	60 MHz		
Input Impedance	50 Ohms Nominal		
VSWR @ Fc	1.5 :1 Max		
Wavelength	351-365 nm		
Insertion Loss	3 % Max		
Anti-Reflection Coating	MIL-C -48497		
Optical Damage Threshold	200 MW/cm ²		
Contrast Ratio	100:1 Min		
Polarization	Perpendicular ° To Acoustic Wave		

Outline Drawing:



**For Reference
Only**

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	351	365
Operational RF Power (W)	2	2
Bragg Angle (mr)	6.7	7
Beam Separation (mr)	13.4	14

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm) at Wavelength (nm)	110	110
Diffraction Efficiency (%) min	83	83
Rise Time (nsec)	16	16



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Special Testing	Min	Units	Max
Diffraction Efficiency, (see notes)	66	%	
Crosstalk	25	dB	

*Active Aperture: Aperture over which performance specifications apply.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	G. SCHOLZ 1/15/2003	Crystal Technology, Inc. DESCRIPTION: AOMC 220-4
MATERIAL:	CHK		
FINISH:	APP		
APP			
		PART NUMBER:	REV:
			SHEET 1 OF 1