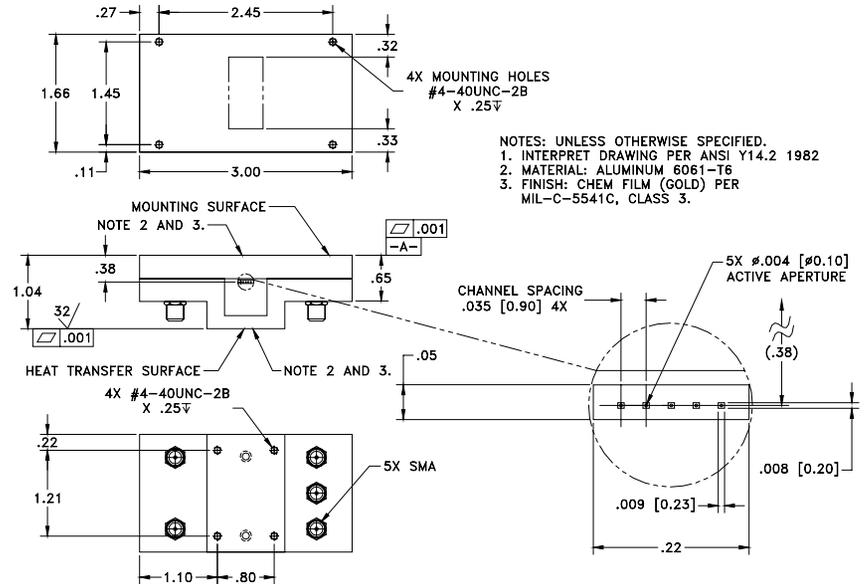


SPECIFICATIONS

AO Medium	Crystalline Quartz
Acoustic Velocity	5.74 mm/ μ s
Active Aperture*	.5 mm 'L' X .2 mm 'H'
Center Frequency (Fc)	300 MHz
RF Bandwidth	100 MHz
Input Impedance	50 Ohms Nominal
VSWR @ Fc	1.5 :1 Max
Wavelength	413 nm
Insertion Loss	3 % Max
Anti-Reflection Coating	MIL-C-48497
Optical Damage Threshold	200 MW/cm ²
Contrast Ratio	1000 :1 Min
Polarization	Perpendicular ° To Acoustic Wave

Outline Drawing:

Package MC330-5



For Reference Only

Please contact our Sales staff for additional details.

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	413
Operational RF Power (W)	2
Bragg Angle (mr)	10.8
Beam Separation (mr)	21.6

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	65
<i>at Wavelength (nm)</i>	413
Diffraction Efficiency (%) min	50
Rise Time (nsec)	10

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Special Testing

Min Units Max

Crosstalk	25	dB
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*Active Aperture: Aperture over which performance specifications apply.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	Tom Ng 4/21/2005	Crystal Technology, Inc. DESCRIPTION: AOMC MC300-5		
MATERIAL:	CHK				
FINISH:	APP				
	APP		PART NUMBER:	REV:	SHEET 1 OF 1