SPECIFICATIONS

AO Medium	Crystalline Quartz
Acoustic Velocity	5.74 mm/µs
Active Aperture*	0.5 mm 'L' X 0.24 mm 'H'
Center Frequency (Fc)	250 MHz
RF Bandwidth	60 MHz
Input Impedance	50 Ohms Nominal
VSWR @ Fc	1.5 :1 Max
Wavelength	355 nm
Insertion Loss	2 % Max
Anti-Reflection Coating	MIL-C -48497
Optical Damage Threshold	1 MW/cm^2
Contrast Ratio	100 :1 Min
Polarization	Perpendicular ° To Acoustic Wave

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	**355**
Operational RF Power (W)	2
Bragg Angle (mr)	7.7
Beam Separation (mr)	15.4

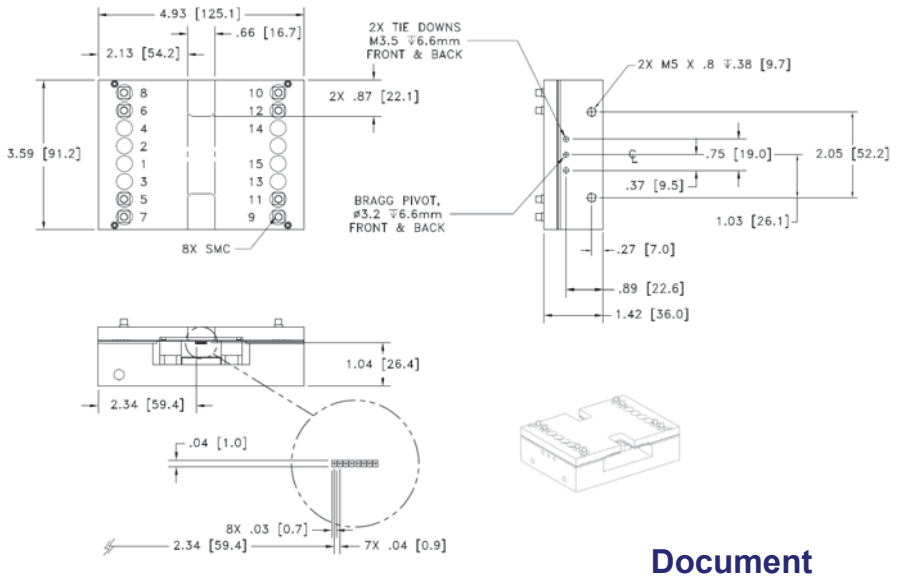
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**125**
at Wavelength (nm)	355
Diffraction Efficiency (%) min	75
Rise Time (nsec)	12.5

Special Testing	**Min**	**Units**	**Max**
Crosstalk 'on'			
Crosstalk 'off'			

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



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07/21/21
Control

Number of Channels: 8; Channel Pitch: 0.90mm
Contrast Ratio is measured at 2.0 watts, MAXIMUM DRIVE POWER into device with all channels 'on' is 20 watts (2.5w per channel) with water cooling
Device is water cooled
Channel Crosstalk: < -25dB , one channel 'off' all others 'on'
Connectors: SMC Blk Hd mount straight male jack
Coolant flow rate: 0.33gpm @ 25 degree C.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	Tom Ng 7/6/2021	Gooch & Housego	
MATERIAL:	CHK		DESCRIPTION: **AOMC 250/8** .355um 8CH ROHS	
FINISH:	APP			
	APP		PART NUMBER: 97-03470-01	REV: 2 SHEET 1 OF 1