

SPECIFICATIONS

AO Medium		TeO ₂
Acoustic Velocity		4.2 mm/μs
Active Aperture*	1 mm 'L' X	0.33 mm 'H'
Center Frequency (Fc)		350 MHz
RF Bandwidth @ 10 dB return loss		130 MHz
Input Impedance		50 Ohms Nominal
VSWR @ Fc		1.5 :1 Max
Wavelength		.633 nm
Insertion Loss		3 % Max
Anti-Reflection Coating		MIL-C -48497
Optical Damage Threshold		na W/mm ²
Contrast Ratio		1000 :1 Min
Polarization		90 ° To Acoustic Wave

PERFORMANCE VS WAVELENGTH

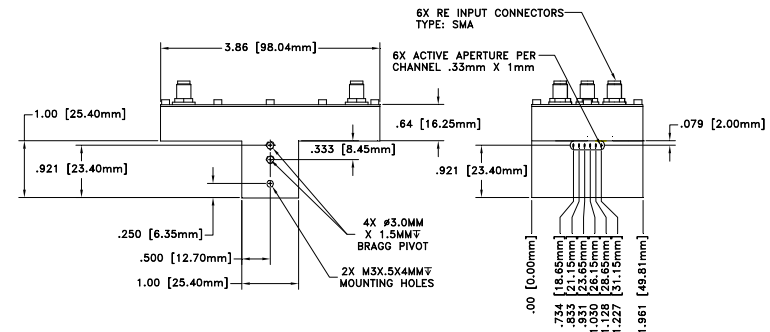
Wavelength (nm)	488	532	635
Operational RF Power (W)			1.0
Bragg Angle (mr)	20.3	22.2	26.5
Beam Separation (mr)	40.6	44.4	53

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	166
at Wavelength (nm)	635
Diffraction Efficiency (%) min	75
Rise Time (nsec)	30

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document

02/28/14

Control

Number of Channels: 6; Channel Pitch: 2.5mm
 Diffraction Efficiency is measured at 1.0 watts, MAXIMUM DRIVE POWER.
 Device is conduction cooled thru the mounting surface
 Channel Crosstalk: >25dB, All channels driven in phase, (Coherent drive)
 Static contrast ratio, single channel operation; 1000:1

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 2/25/2014	Gooch & Housego	
MATERIAL:	CHK		DESCRIPTION: AOMC 3350-6	
FINISH:	APP		Custom Package	
	APP		PART NUMBER: 97-02860-01	REV: B
				SHEET 1 OF 1