

SPECIFICATIONS

AO Medium	TeO ₂		
Acoustic Velocity	4.2 mm/μs		
Active Aperture*	2.5 mm 'L' X	0.32 mm 'H'	
Center Frequency (Fc)	200 MHz		
RF Bandwidth	50 MHz @	-9 dB Return Loss	
Input Impedance	50 Ohms Nominal		
VSWR @ Fc	1.3 :1 Max		
Wavelength	548-690 nm		
Insertion Loss	4 % Max		
Reflectivity per Surface	1 % Max		
Anti-Reflection Coating	MIL-C-48497		
Optical Power Density	250 W/mm ²		
Contrast Ratio	2000 :1 Min		
Polarization	90 ° To Mounting Plane		

PERFORMANCE VS WAVELENGTH

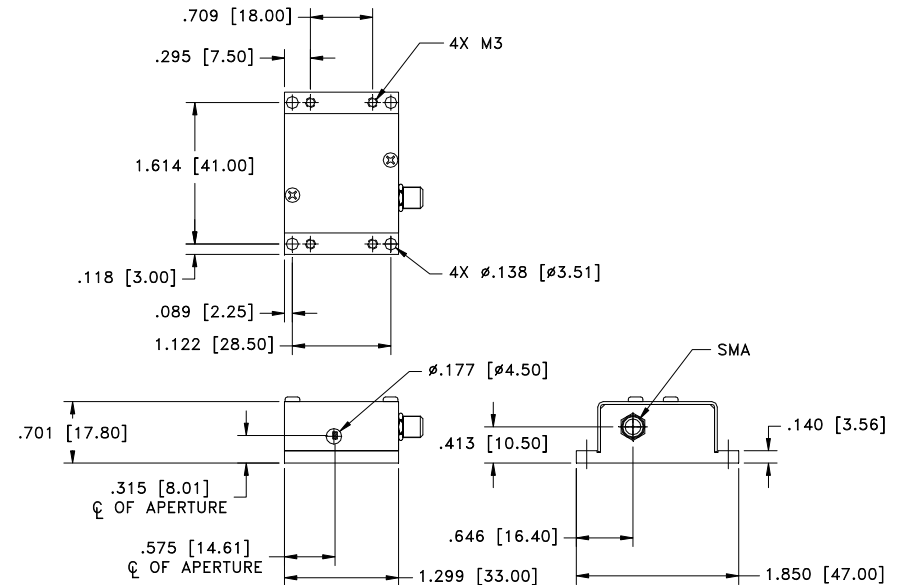
Wavelength (nm)	458	532	690
Saturation RF Power (W)	0.7	0.7	1.0
Bragg Angle (mr)	10.9	12.7	16.4
Beam Separation (mr)	21.8	25.4	32.8

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm) at Wavelength (nm)	60	80	100	120
Diffraction Efficiency (%)	65	73	77	80
Rise Time (nsec)	14	17	20	23
Modulation Bandwidth	52	40	31	26.5
	15	8	4	2

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document

10/31/13

Control

Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Tom Ng 10/8/2013	 DESCRIPTION: AOMO 3200-192 SMA, 458-690nm		
MATERIAL:	CHK				
FINISH:	APP				
	APP		PART NUMBER: 97-02482-01	REV: E	SHEET 1 OF 1