SPECIFICATIONS

AO Medium				TeO2
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

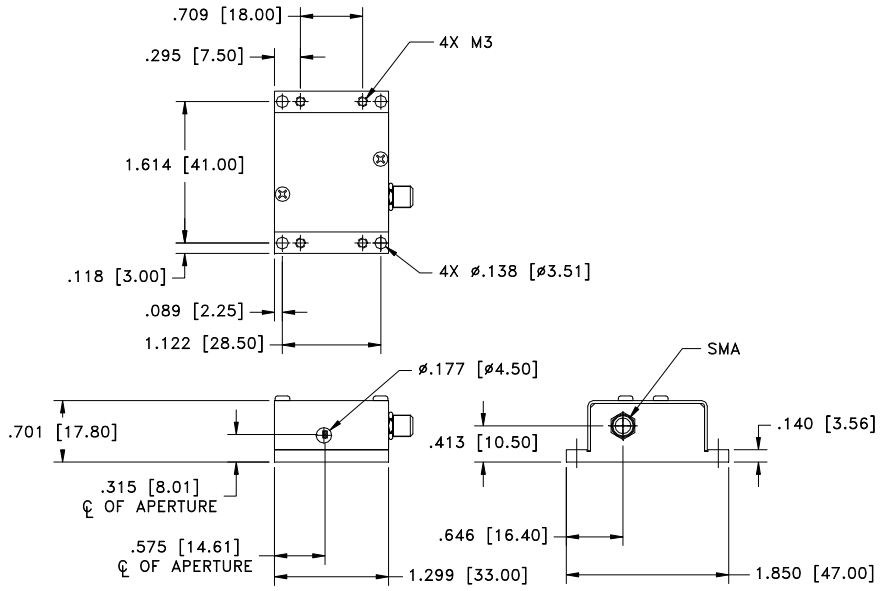
Wavelength (nm)	**458**	**532**	**690**
Saturation RF Power (W)	0.7	0.7	1.0
Bragg Angle (mr)	10.9	12.7	16.4
Beam Separation (mr)	21.8	25.4	32.8

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**60**	**80**	**100**	**120**
at Wavelength (nm)	690	690	690	690
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:

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