

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	532 nm		
Insertion Loss	3 % Max		
Reflectivity per Surface	1 % Max		
Anti-Reflection Coating	MIL-C-48497		
Optical Power Density	25 W/mm ²		
Contrast Ratio	1000 :1 Min		
Polarization	90 ° To Mounting Plane		

PERFORMANCE VS WAVELENGTH

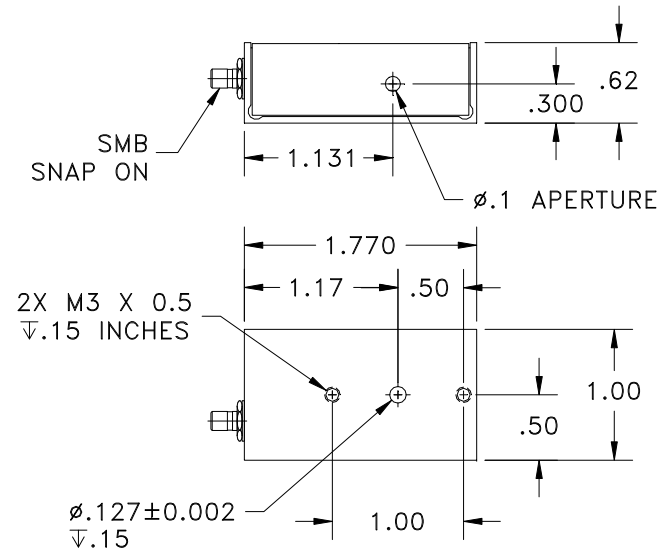
Wavelength (nm)	532
Saturation RF Power (W)	0.7
Bragg Angle (mr)	12.7
Beam Separation (mr)	25.4

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	60
at Wavelength (nm)	532
Diffraction Efficiency (%)	75
Rise Time (nsec)	13
Modulation Bandwidth	
Beam Elpticity	11

*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	Geri Scholz 10/8/2013	 AOMO 3200-1911 532NM SMB-2, M3		
MATERIAL:	CHK				
FINISH:	APP				
	APP		PART NUMBER: 97-03135-02	REV: 2	SHEET 1 OF 1