

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	515-633 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	1000 :1 Min	
Polarization	90 ° To Mounting Plane	

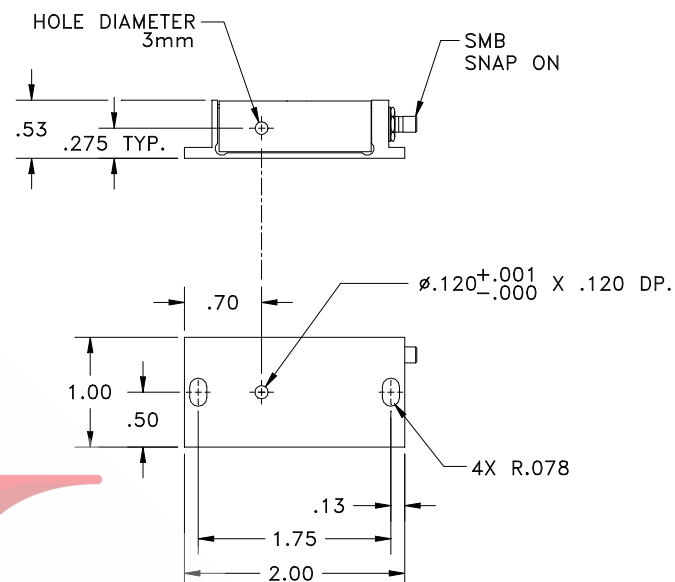
PERFORMANCE VS WAVELENGTH

Wavelength (nm)	515	633
Saturation RF Power (W)	0.7	1.0
Bragg Angle (mr)	12.3	15.1
Beam Separation (mr)	24.6	30.2

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	60	80	100	120
at Wavelength (nm)	633	633	633	633
Diffraction Efficiency (%)	70	75	80	80
Rise Time (nsec)	14	17	20	23
Modulation Bandwidth	52	40	31	26.5
	15	8	4	2

Outline Drawing:



Notes:

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TOLERANCES: XX ± .01 .XXX ± .005	DR	G. Scholz 10/7/2013	 AOMO 3200-121 SMB-2 (FLANGED)	
MATERIAL:	CHK			
FINISH:	APP			
	APP		PART NUMBER: 99-48146-11	REV: F
			SHEET 1 OF 1	

*Active Aperture: Aperture over which performance specifications apply.