

SPECIFICATIONS

AO Medium	TeO ₂	
Acoustic Velocity	4.2 mm/μs	
Active Aperture*	2.5 mm 'L' X	0.45 mm 'H'
Center Frequency (Fc)	200 MHz	
RF Bandwidth	50 MHz @	-10 dB Return Loss
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.3 :1 Max	
Wavelength	442-488 nm	
Insertion Loss	5 % 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	

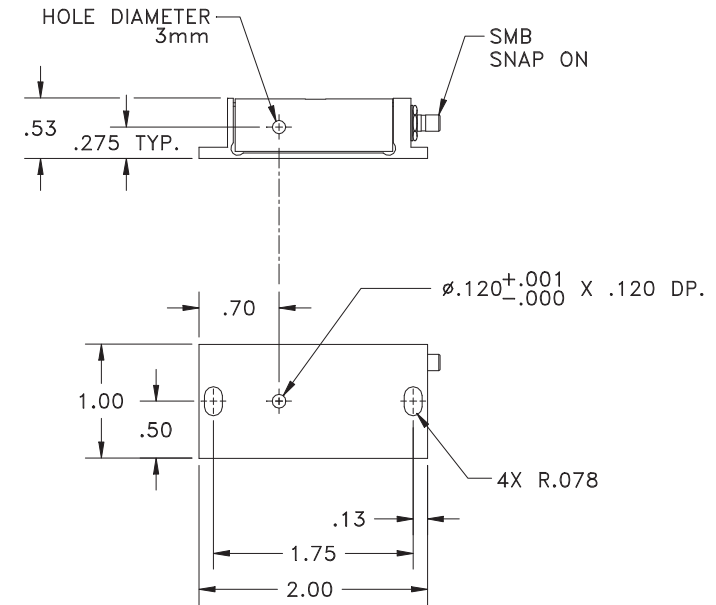
PERFORMANCE VS WAVELENGTH

Wavelength (nm)	442	488
Saturation RF Power (W)	0.53	0.65
Bragg Angle (mr)	10.5	11.6
Beam Separation (mr)	21	23.2

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	60	80	100	120
at Wavelength (nm)	488	488	488	488
Diffraction Efficiency (%)	70	75	80	80
Rise Time (nsec)	13	16	19	23
Modulation Bandwidth	52	40	31	26.5
Beam Ellipticity	15	8	4	2

Outline Drawing:



Notes:

For Reference Only!

Please contact our Sales team to verify specification values

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TOLERANCES: XX ± .01 .XXX ± .005	DR	A. CAMPI 10/7/2013			
MATERIAL:	CHK		DESCRIPTION:		
FINISH:	APP		AOMO 3200-120 200 MHz, SMB-2 (FLANGED)		
	APP		PART NUMBER:	REV:	SHEET 1 OF 1
			99-48146-10	G	