

**SPECIFICATIONS**

AO Medium		TeO2
Acoustic Velocity		4.2 mm/μs
Active Aperture*	2.5 mm 'L' X	2 mm 'H'
Center Frequency (Fc)		80 MHz
RF Bandwidth	25 MHz @	-9 dB Return Loss
Input Impedance		50 Ohms Nominal
VSWR @ Fc		1.3 :1 Max
Wavelength		442-633 nm
Insertion Loss		5 % Max
Reflectivity per Surface		1 % Max
Anti-Reflection Coating		MIL-C-48497
Optical Power Density		250 W/mm <sup>2</sup>
Contrast Ratio		1000 :1 Min
Polarization		90 ° To Mounting Plane

**PERFORMANCE VS WAVELENGTH**

<b>Wavelength (nm)</b>	<b>515</b>	<b>633</b>
Saturation RF Power (W)	0.65	1.0
Bragg Angle (mr)	4.9	6
Beam Separation (mr)	9.8	12

**PERFORMANCE VS BEAM DIAMETER**

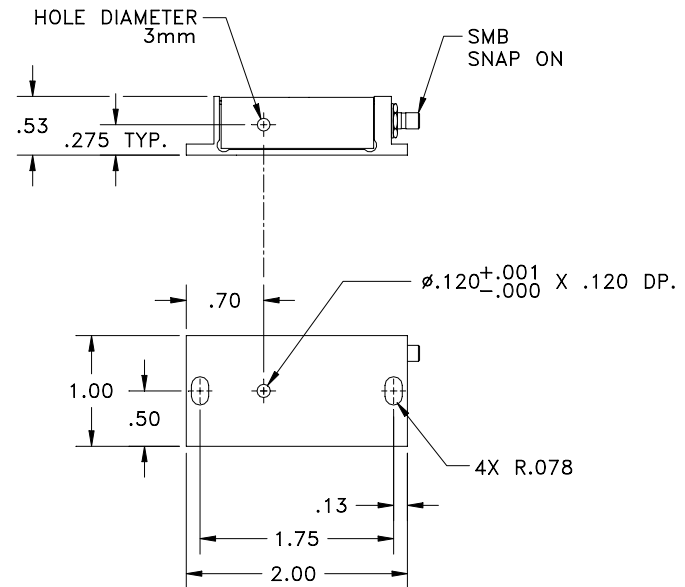
<b>Beam Diameter (μm)</b>	<b>125</b>	<b>200</b>	<b>400</b>
<i>at Wavelength (nm)</i>	633	633	633
Diffraction Efficiency (%)	65	80	90
Rise Time (nsec)	23	34	65
Modulation Bandwidth	20	12	6
Beam Ellipticity	NA	NA	NA

**For Reference  
Only**

\*Active Aperture: Aperture over which performance specifications apply.

**Outline Drawing:**

**Package AOMO 3080-125**



**Ordering Information:**

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**Notes:**

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/12/2002	<b>Crystal Technology, Inc.</b> DESCRIPTION: <b>AOMO 3080-125</b>
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: <b>97-01598-01</b>
			REV: <b>C</b>
			SHEET 1 OF 1