SPECIFICATIONS

AO Medium			TeO2
Acoustic Velocity			4.2 mm/µs
Active Aperture*	2.5 mm 'L' X	1 mm 'H'	
Center Frequency (Fc)			80 MHz
RF Bandwidth	20 MHz @	-10 dB Return Loss	
Input Impedance			50 Ohms Nominal
VSWR @ Fc			1.3 :1 Max
Wavelength			780-850 nm
Insertion Loss			3 % Max
Reflectivity per Surface			0.25 % 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)	**830**
Saturation RF Power (W)	1
Bragg Angle (mr)	7.9
Beam Separation (mr)	15.8

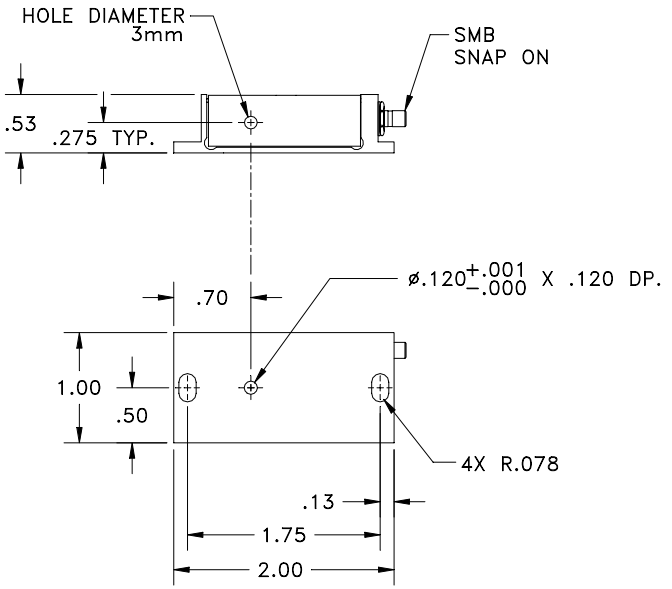
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**200**	**250**	**500**
at Wavelength (nm)	830	830	830
Diffraction Efficiency (%)	70	80	85
Rise Time (nsec)	34	41	80
Modulation Bandwidth	15.9	12.65	6.3
	15	10	1

For Reference Only

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing: **Package AOMO 3080-122**



Ordering Information:

XSoptix

800 Village Walk #316
Guilford, CT 06437
Ph: 203-401-8093

Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282

Notes:

TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 2/21/2003	Crystal Technology, Inc.		
MATERIAL:	CHK		DESCRIPTION: AOMO 3080-122		
FINISH:	APP				
	APP		PART NUMBER: 97-01280-01	REV: D	SHEET 1 OF 1