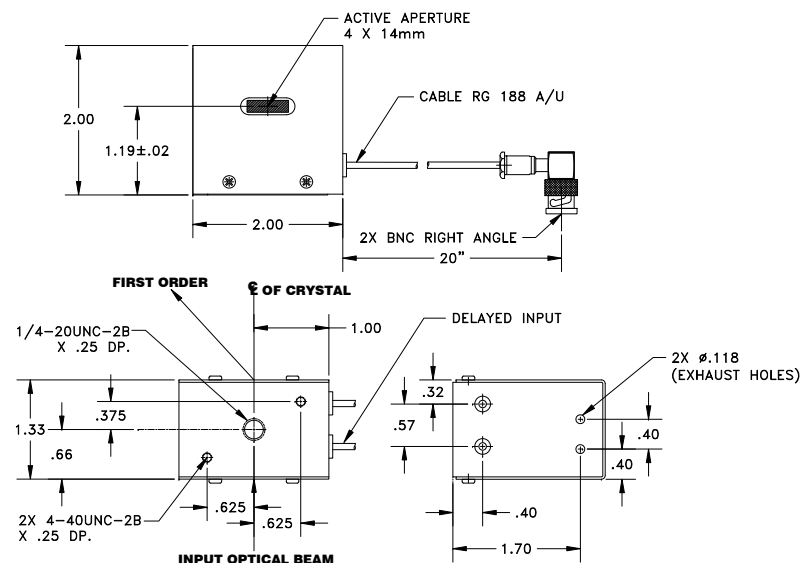


■ OUTLINE DRAWING

AO Medium	TeO2
Acoustic Mode	Shear, On Axis
Acoustic Velocity	0.617 mm/μs
Wavelength	364 nm
Input Polarization	Elliptical
Output Polarization	Elliptical
Insertion Loss	10%
Center Frequency (Fc)	100 MHz
RF Bandwidth	50 MHz
RF Power	< 1.0 Watt
Active Aperture	4 mm 'H' X 14 mm 'L'
Average Diffraction Efficiency	
Flatness Across Bandwidth ⁴	10%
Min Diffraction Efficiency ⁴	> 70%
Peak Valley at 633 mm(No RF Power) ⁸	<0.125 over 4X14mm
RMS at 633 mm	N/A
VSWR	< 2.0 : 1
Scan Angle	N/A
Time Bandwidth	N/A



09/13/13

Control

1. 2 Element Phased Array
2. Input impedance is 50 Ohms.
3. A delay box, p/n: 97-02062-04, is connected between the RF output of the driver and the two inputs of the deflector.
4. +1 order
5. Optical window $\pm 30'$ to housing.
6. Bond face perpendicular to mounting surface $\pm 15'$.
7. Optical grade material (low strain & straine)
8. Wavefront P.V. .07 over 4x4mm @ 633nm.

TOLERANCES: ..XX ..XXX	DR	Gerl Scholz 9/3/2013			
MATERIAL:	CHK		DESCRIPTION: AODF 4100-2E		
	APP				
FINISH:	APP		PART NUMBER:	REV:	SHEET 1 OF 1
			97-02062-05	B	