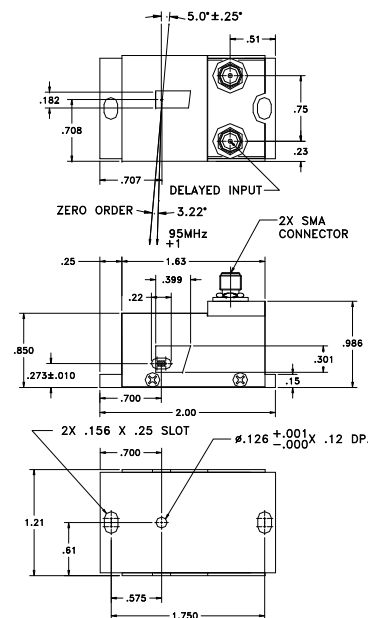


SPECIFICATIONS

AO Medium	TeO ₂
Acoustic Mode	Slow Shear, On- Axis
Acoustic Velocity	0.617 mm/μs
Wavelength	364 nm
Input Polarization	Elliptical
Output Polarization	Elliptical
Insertion Loss	< 6%
Center Frequency (Fc)	95 MHz
RF Bandwidth	50 MHz
RF Power	< 0.2 W
Active Aperture	1.5 mm 'H' x 2.0 mm 'L'
Average Diffraction Efficiency	
Intensity Variation Across Bandwidth	
Min Diffraction Efficiency @ 120 MHz (*)	>84%
Peak Valley at 633 nm	<0.100
RMS at 633 nm	N/A
VSWR	< 2.0 : 1
Scan Angle	29.5 mrad
Time Bandwidth	N/A

OUTLINE DRAWING



Document

09/13/13

Control

1. Electrode: 2 Element Phased Array
2. Input Impedance is 50 ohms.
3. Optical window wedge in scan axis >15" - <1' perpendicular to scan <15"

* DE for other frequency (from 70 to 120 MHz) must be following this formular:
 $DE \% > (0.32 * \text{Frequency}) + 45.6$

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TOLERANCES: .XX .XXX	DR	G. Scholz 9/3/2013	Gooch & Housego	
MATERIAL:	CHK		DESCRIPTION: AODF 4095-3E	
FINISH:	APP		W/O DELAY/SPLITTER	
	APP		PART NUMBER: 97-02732-03	REV: B
				SHEET 1 OF 1