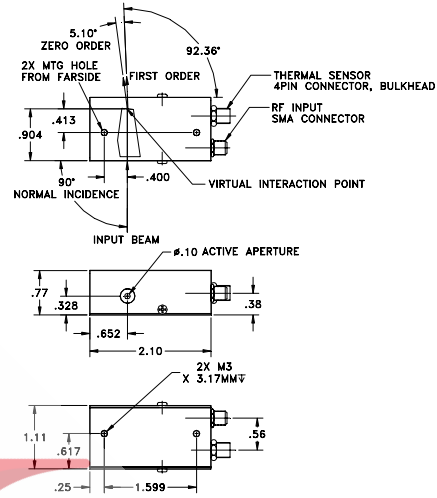


SPECIFICATIONS

AO Medium	TeO2
Acoustic Velocity	.68 mm/μs
Active Aperture*	2.5 mm Dia
RF Frequency Range	80-152 MHz
RF Bandpass (FWHM)	280 KHz @ 476 nm
Wavelength Range	430-670 nm
VSWR	2.4 :1 Max
Input Impedance	50 Ohms Nominal
Insertion Loss	3 % Max
Temperature Sensitivity	0.05 nm/C
Diffacted Beam Collinearity, min deviation	.01 degrees
Input Optical Polarization	Vertical
Output Optical Polarization	Horizontal
Max RF Power	1 W

Outline Drawing:

Package 97-02838-01-15rC



Document

06/22/11

Control

Notes:
 Simultaneous Diffraction, any 8 wavelengths
 Random Wavelength Access Time: < 1.5 usec (1 mm Beam Diameter)
 Max RF Power with 8 Simultaneous Frequencies = 1W

Special Testing

Diffraction Efficiency
 (per wavelength input divergence < 2 mrad)

Min	Units	Max
90	%	

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TOLERANCES: XX ± .01 .XXX ± .005	DR	Gerl Scholz 6/22/2011	Crystal Technology, LLC	DESCRIPTION: AOTF PCAOM 80-152 MHz Vert. Pol.
MATERIAL: 	CHK			
FINISH: 	APP		PART NUMBER: 97-02838-01	REV: G
	APP		SHEET 1 OF 1	

*Active Aperture: Aperture over which performance specifications apply.