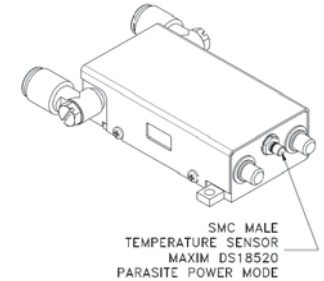
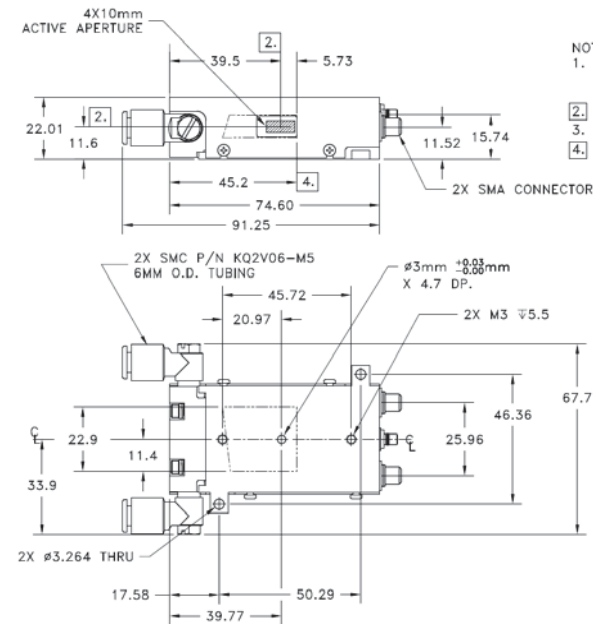


SPECIFICATIONS

AO Medium	Crystal Quartz
Acoustic Mode	Longitudinal
Acoustic Velocity	5.74mm/μs
Wavelength	532nm
Input Polarization	90° to Mounting Plane
Output Polarization	90° to Mounting Plane
Insertion Loss	1%
Center Frequency (Fc)	147.5 MHz
RF Bandwidth	85 MHz
RF Power	30W
Active Aperture	4x10mm
Average Diffraction Efficiency	
Flatness Across Bandwidth	85% nominal
Min Diffraction Efficiency	0.1
Peak Valley at 633 nm	N/A
RMS at 633 nm	N/A
VSWR	1.6:1
Scan Angle	7.9 mrad
Time Bandwidth	N/A

OUTLINE DRAWING



Notes:

1. 2 element phased array.
2. Input Impedance 50 Ohms.
3. Unit to be water cooled. Water channels Te-Cu.
4. Mechanical Outline per 97-03404-02-15.
5. Window wedge <1'.

Document

11/15/19

Control

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	G. Scholz 11/7/2019	Gooch & Housego	
MATERIAL:	CHK		DESCRIPTION: AODF 4140 Quartz 532nm	
FINISH:	APP		2 Elec. Phased Array, Apodized	
	APP		PART NUMBER: 97-03404-02	REV: 1
				SHEET 1 OF 1