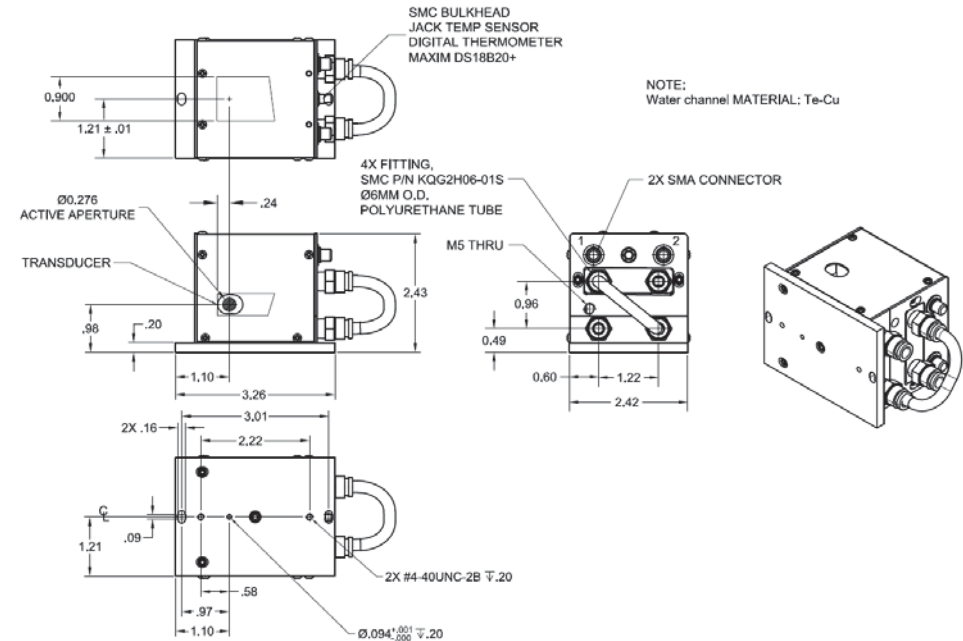


SPECIFICATIONS

AO Medium	Crystal Quartz
Acoustic Mode	Longitudinal
Acoustic Velocity	5.74mm/μs
Wavelength	515-532nm
Input Polarization	90° to Mounting Plane
Output Polarization	90° to Mounting Plane
Insertion Loss	1%
Center Frequency (Fc)	140MHz
RF Bandwidth	55 MHz
RF Power	50W
Active Aperture	7 mm dia.
Average Diffraction Efficiency	
Flatness Across Bandwidth	
Min Diffraction Efficiency	85% nominal
Peak Valley at 633 nm	0.25
RMS at 633 nm	N/A
VSWR	1.6:1
Scan Angle	5.1 mrad @ 532nm
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 97-03271-03-15.
5. Mechanical outline per 97-03271-03-15.
6. Window wedge <1'.

Document

06/24/19

Control

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 6/19/2019	Gooch & Housego	
MATERIAL:	CHK		DESCRIPTION: AODF 4140 Quartz 532nm	
FINISH: 	APP		2 Elec. Phased Array	
	APP		PART NUMBER: 97-03271-03	REV: 2 SHEET 1 OF 1