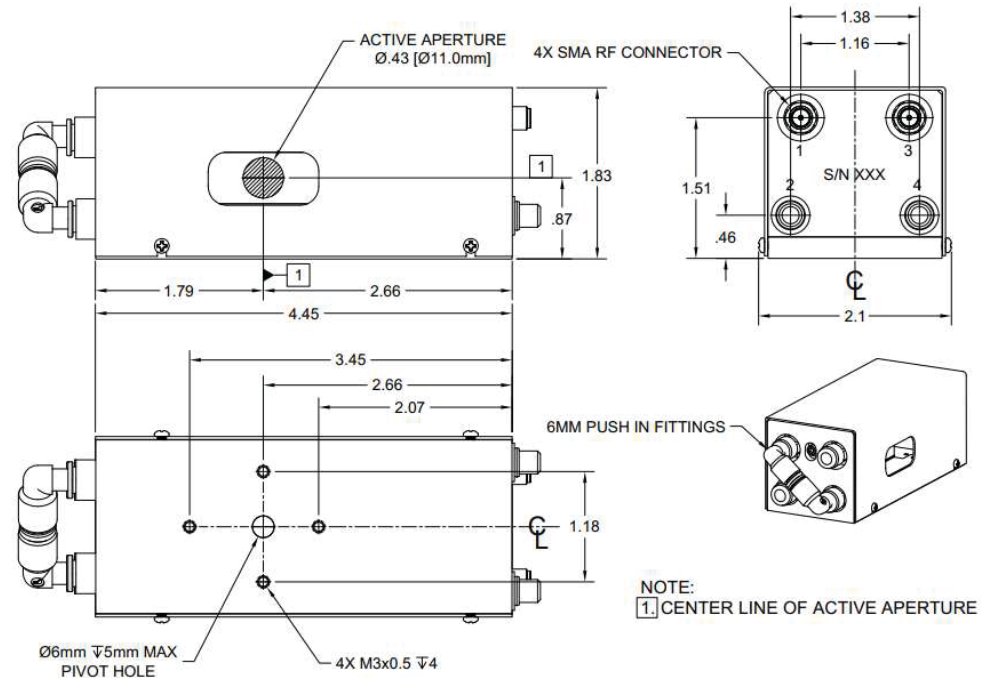


SPECIFICATIONS

AO Medium	Germanium
Acoustic Mode	Longitudinal
Acoustic Velocity	5.50mm/μs
Wavelength	9.4um
Input Polarization	Parallel to Mounting Plane
Output Polarization	Parallel to Mounting Plane
Insertion Loss	4%
Center Frequency (Fc)	70 MHz
RF Bandwidth	40 MHz
RF Power	<140W
Active Aperture	11mm dia
Average Diffraction Efficiency	
Flatness Across Bandwidth	
Min Diffraction Efficiency	80%
Peak Valley at 633 nm	0.1
RMS at 633 nm	N/A
VSWR	2:1
Scan Angle	68 mrad
Time Bandwidth	N/A

OUTLINE DRAWING



NOTES;

1. Delay/splitter box is included but not shown.
2. 4 element phased array.
3. input impedance 50 Ohms.
4. Unit to be water cooled.

Document

03/04/2024

Control

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TOLERANCES: .XX .XXX	DR	Geri Scholz 2/22/2024		
MATERIAL:	CHK		AODF 4070 Ge 9.4	
	APP		11mm	
	APP		PART NUMBER: 97-03260-04	REV: 3
			SHEET 1 OF 1	