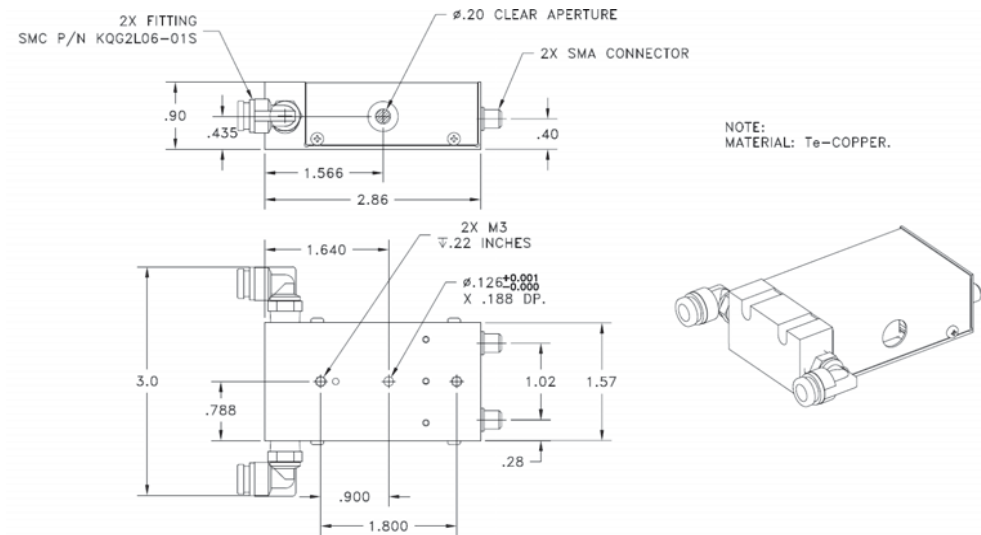


SPECIFICATIONS

AO Medium	TeO ₂
Acoustic Mode	Longitudinal
Acoustic Velocity	4.20 mm/μs
Wavelength	1064 nm
Input Polarization	Vertical
Output Polarization	Vertical
Insertion Loss	<1%
Center Frequency (Fc)	102.5 MHz
RF Bandwidth	55 MHz
RF Power	10W
Active Aperture	4mm dia.
Average Diffraction Efficiency	N/A
Intensity Variation Across Bandwidth	N/A
Min Diffraction Efficiency	80%*
Peak Valley at 633 nm	N/A
RMS at 633 nm	N/A
VSWR	2.0:1
Scan Angle	13.9 mrad
Time Bandwidth	N/A

OUTLINE DRAWING



Notes:

1. Input Impedance is 50 Ohms.
2. Electrode: Two Element Phased Array
3. MTBF 3500 hours with a 500W laser and a 1.5mm 1/e² beam diameter. Lifetime limited by bulk optical damage.
4. Maximum peak optical power: 100MW/cm², 20nsec, 1.06μm.
5. Water cooled, 2-3L/min., <25C. Water channels Te_Cu


* Performance when driven by NGD MUX.

Document

02/08/18

Control

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 2/8/2018	 DESCRIPTION: AODF 4100-7	
MATERIAL:	CHK			
FINISH:	APP		PART NUMBER:	REV:
	APP		97-03120-03	2
			SHEET	1 OF 1