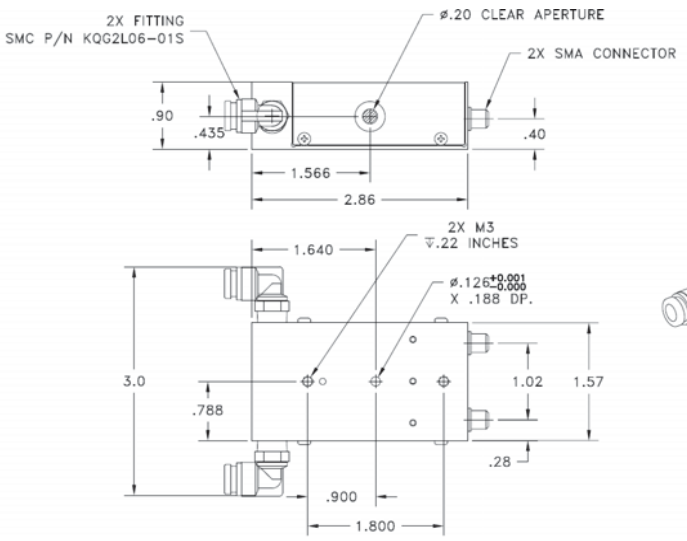
SPECIFICATIONS

AO Medium	TeO2
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	50MHz
RF Power	8W*
Active Aperture	4mm dia.
Average Diffraction Efficiency	N/A
Intensity Variation Across Bandwidth	N/A
Min Diffraction Efficiency	70%
Peak Valley at 633 nm	N/A
RMS at 633 nm	N/A
VSWR	2.0:1
Scan Angle	13.9mrad
Time Bandwidth	N/A

OUTLINE DRAWING



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Control

Notes:

1. Input Impedance is 50 Ohms.

2. Electrode: Two Element Phased Array. Delay splitter included.

3. MTBF 3500 hours with a 500W laser and a 1.5mm 1/e^2 beam diameter. Lifetime limited by bulk optical damage.

4. Maximum peak optical power: 100MW/cm^2, 20nsec, 1.06μm.

5. water cooled, 2-3L/min. <25C. Water channels Te_Cu

TOLERANCES: .XX ± .01 .XXX ± .005	DR	Tom Ng 3/16/2020	Gooch & Housego		
MATERIAL: RoHS Compliant	CHK		DESCRIPTION: AODF 4100-5		
FINISH:	APP				
	APP		PART NUMBER: 97-03120-01	REV: 3	SHEET 1 OF 1