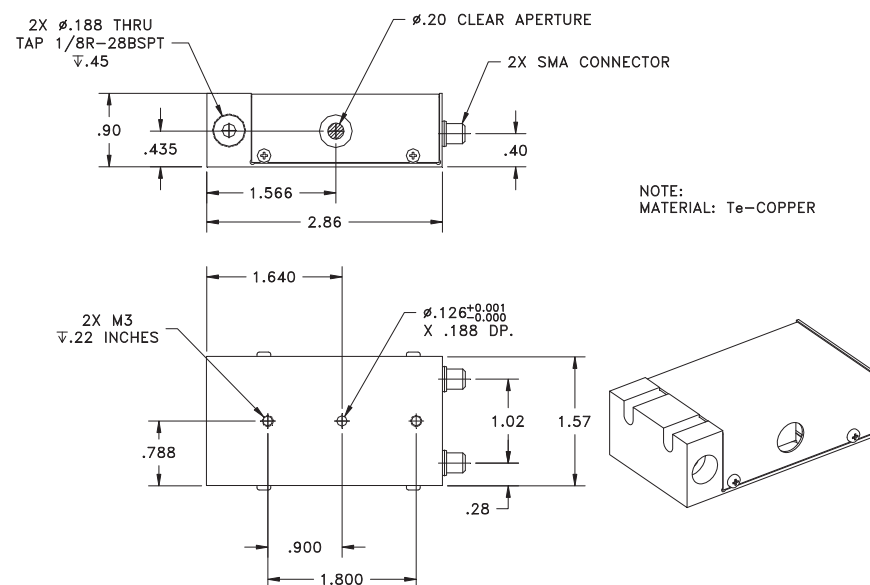


■ OUTLINE DRAWING

AO Medium	TeO2
Acoustic Mode	Longitudinal
Acoustic Velocity	4.20 mm/μs
Wavelength	1066-1100 nm
Input Polarization	Random
Output Polarization	Random
Insertion Loss	<3%
Center Frequency (Fc)	100 MHz
RF Bandwidth	50MHz, goal 60MHz
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	>0.75 degree
Time Bandwidth	N/A



1. Input Impedance is 50 Ohms.
2. Electrode: Two Element Phased Array
3. MTBF 3500 hours with a 500W laser and a 1.5mm $1/e^2$ beam diameter. Lifetime limited by bulk optical damage.

*water cooled

Document

07/20/16

Control

THIS DOCUMENT IS THE PROPERTY OF GOOCH & HOUSEGO. IT IS NOT TO BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OTHER THAN BY EMPLOYEES OF GOOCH & HOUSEGO AND ITS CONTRACTED REPRESENTATIVES AND DISTRIBUTORS. ANY EXCEPTION REQUIRES THE WRITTEN CONSENT OF AN AUTHORIZED REPRESENTATIVE OF GOOCH & HOUSEGO.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 7/14/2016			
MATERIAL: 	CHK		DESCRIPTION: AODF 4100-6		
	APP				
FINISH:	APP		PART NUMBER: 97-03120-02	REV: 5	SHEET 1 OF 1