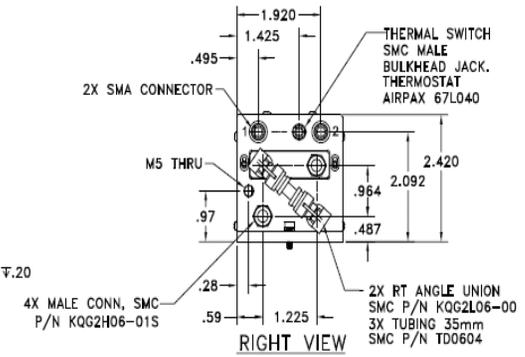
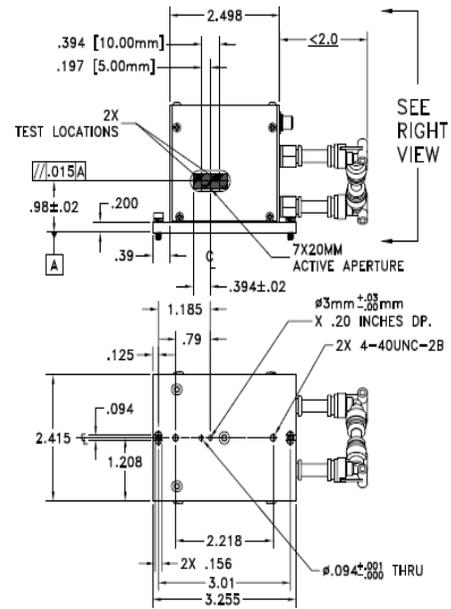


SPECIFICATIONS

OUTLINE DRAWING

|                                |                       |
|--------------------------------|-----------------------|
| AO Medium                      | Crystal Quartz        |
| Acoustic Mode                  | Longitudinal          |
| Acoustic Velocity              | 5.744mm/μs            |
| Wavelength                     | 355nm                 |
| Input Polarization             | 90° to Mounting Plane |
| Output Polarization            | 90° to Mounting Plane |
| Insertion Loss                 | 1%                    |
| Center Frequency (Fc)          | 170 MHz               |
| RF Bandwidth                   | 80 MHz                |
| RF Power                       | 20W                   |
| Active Aperture                | 7mm x 20mm            |
| Average Diffraction Efficiency |                       |
| Flatness Across Bandwidth      |                       |
| Min Diffraction Efficiency     | 80%                   |
| Peak Valley at 633 mm          | 0.1                   |
| RMS at 633 mm                  | N/A                   |
| VSWR                           | 2:1                   |
| Scan Angle                     | 4.9 mrad              |
| Time Bandwidth                 | N/A                   |



NOTES:  
 1. MATERIAL: 6061-T6 ALUMINUM.  
 2. FINISH: METALAST-TCP-HF CLEAR OR EQUIVALENT WATER CHANNELS ANODIZE MIL-A-8625F TYPE II, CLASS 1, ELECTROLESS NICKED 500uln PER AMS-2404C.

NOTES;

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

**Document**  
**04/04/16**  
**Control**

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|                            |     |                          |                             |              |
|----------------------------|-----|--------------------------|-----------------------------|--------------|
| TOLERANCES:<br>.XX<br>.XXX | DR  | Gerl Scholz<br>3/31/2016 |                             |              |
| MATERIAL:                  | CHK |                          |                             |              |
| FINISH:                    | APP |                          | PART NUMBER:<br>97-03255-02 | REV:<br>1    |
|                            | APP |                          |                             | SHEET 1 OF 1 |