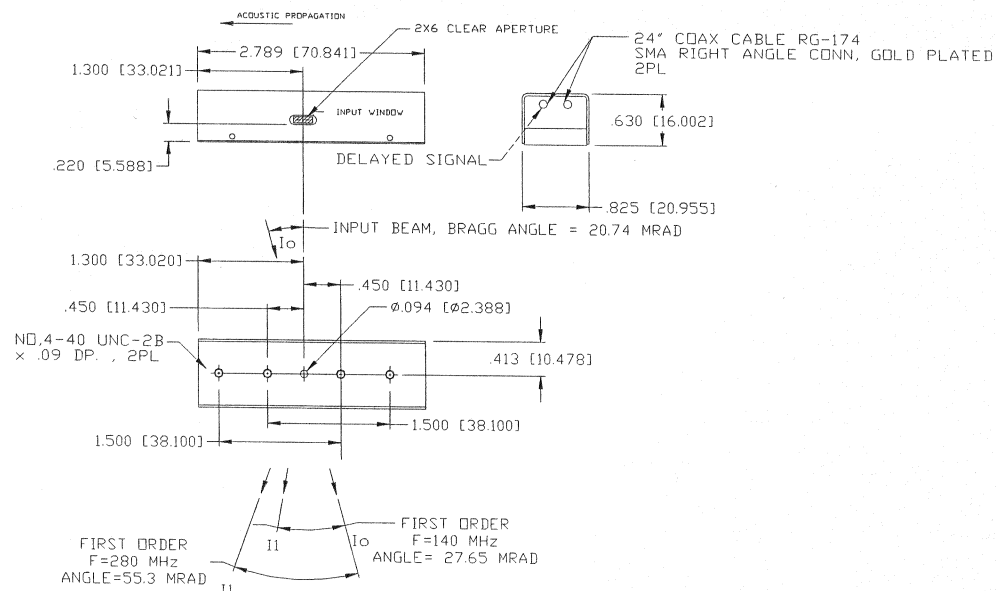


## SPECIFICATIONS

|                                |                         |
|--------------------------------|-------------------------|
| AO Medium                      | TeO <sub>2</sub>        |
| Acoustic Mode                  | Longitudinal            |
| Acoustic Velocity              | 4.20 mm/usec            |
| Wavelength                     | 830 nm                  |
| Input Polarization             | Vertical                |
| Output Polarization            |                         |
| Insertion Loss                 | < 3%                    |
| Center Frequency (Fc)          | 210 MHz                 |
| RF Bandwidth                   | 140 MHz                 |
| RF Power                       | 3.0 Watts               |
| Active Aperture                | 2.0 mm 'H' X 6.0 mm 'L' |
| Average Diffraction Efficiency | N/A                     |
| Flatness Across Bandwidth      | N/A                     |
| Min Diffraction Efficiency     | >35%                    |
| Peak Valley at 633 mm          | $\lambda/5$ (RF off)    |
| RMS at 633 mm                  | N/A                     |
| VSWR                           | 2.2:1                   |
| Scan Angle                     | N/A                     |
| Time Bandwidth                 | N/A                     |

## OUTLINE DRAWING



### Notes:

1. Input Impedance is 50 Ohms
2. Electrode: Two element, phased array.

# DOCUMENT

JUN 30 2003

# CONTROL

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|   |     |                        |                             |              |
|---|-----|------------------------|-----------------------------|--------------|
| TOLERANCES:<br>.XX ± .01 ±<br>.XXX .005 | DR  | G. Scholz<br>6/11/2003 | Crystal Technology, Inc.    |              |
| MATERIAL:                               | CHK | <i>X 6/12/03</i>       | DESCRIPTION:<br>AODF 4210   |              |
| FINISH:                                 | APP |                        | PART NUMBER:<br>97-02336-01 | REV:<br>B    |
|   | APP |                        |                             | SHEET 1 OF 1 |