

## Waveguide to Coaxial Adapter 75-110GHz



### Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

### Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

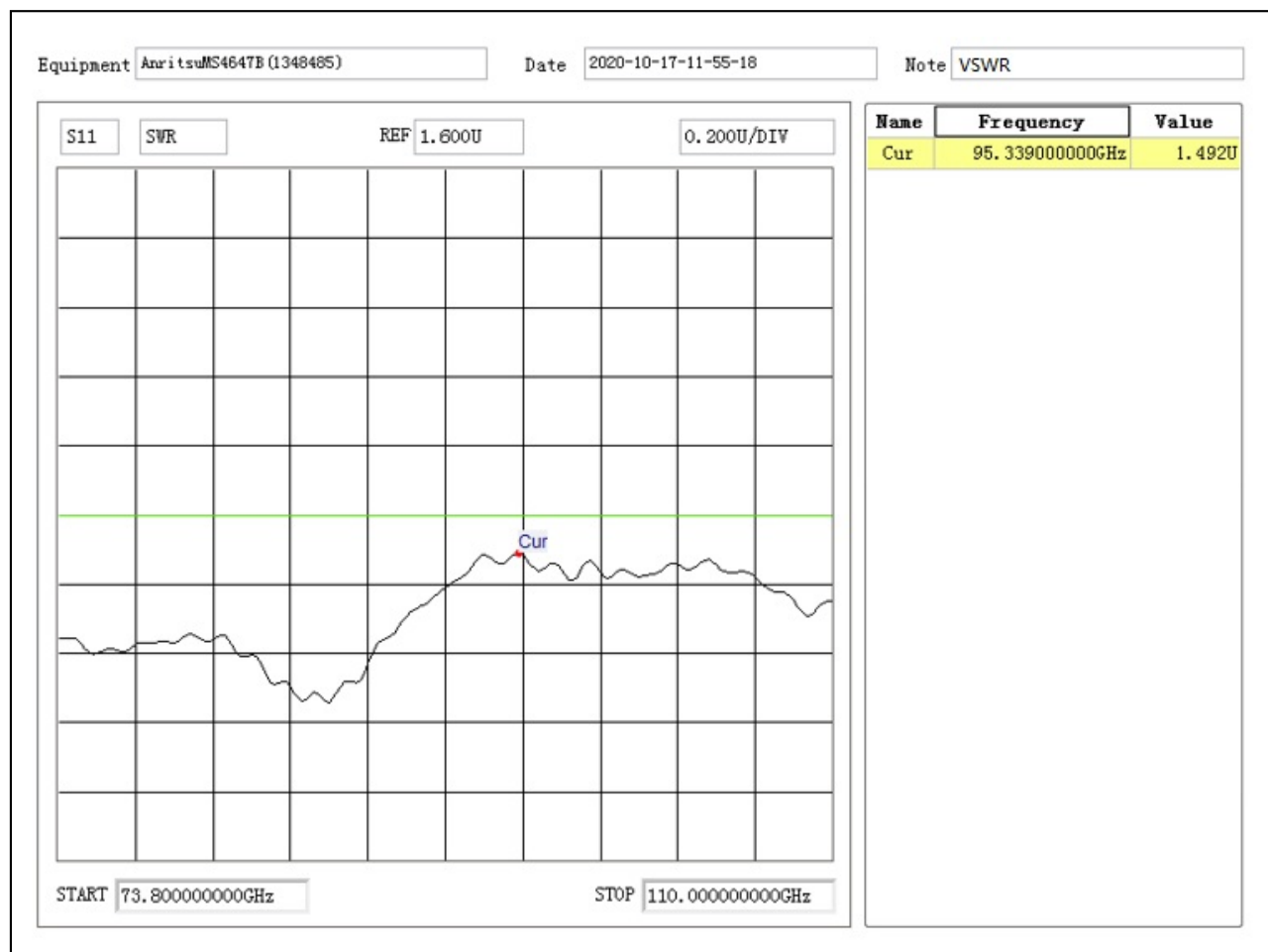
### Electrical Specifications, TA=25°C

| Parameters    | Min  | Typ | Max  | Units |
|---------------|------|-----|------|-------|
| FREQ RANGE    | 75   |     | 110  | GHz   |
| VSWR          |      |     | 1.60 |       |
| Waveguide     | WR10 |     |      |       |
| Average Power |      |     |      | (W)   |

### Reliability Test Matrix

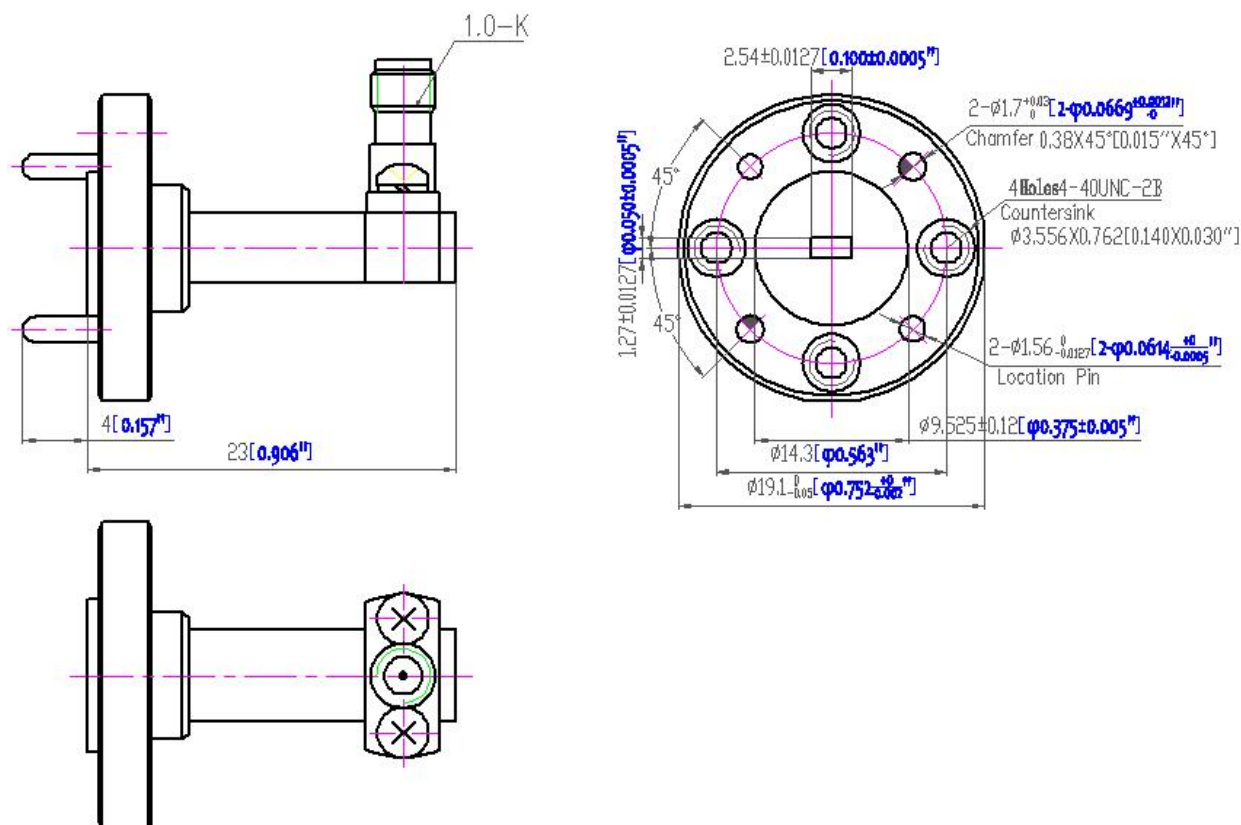
| Item                             | Standard      | Description                                                                                                                                                                                                 |
|----------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation Temperature            | MIL-STD-39016 | -45°C~+85°C                                                                                                                                                                                                 |
| Storage Temperature              |               | -55°C~+125°C                                                                                                                                                                                                |
| Thermal Shock                    |               | 1 Hour. -45°C; 1 Hour +85°C, 5 Cycles                                                                                                                                                                       |
| Random Vibration                 |               | acceleration Spectrum Density 6 (m/s) , Total Root mean square root 92.6                                                                                                                                    |
| Electrical & Temperature Burn In |               | Temperature +85°C 72 Hours                                                                                                                                                                                  |
| Shocking                         |               | 1.Weight>20g, 50g half Sine wave for 11ms, Speed variation 3.44m/s<br>2.Weight≤20g, 100g Half Sine wave for 6ms, Speed variation 3.75m/s<br>3.6 Shocking Direction, 3 times each direction. Total 18 times. |
| Altitude                         |               | Standard Part: 30,000 Ft (Epoxy Sealed Controlled Environment)<br>Hermetically Sealed Part (Optional) 60,000 Ft 1.0 PSI min                                                                                 |
| Hermetical Seal(Optional)        | MIL-STD-883   | MIL-STD-883(For Hermetical Seal Unit Only)                                                                                                                                                                  |

### VSWR:



### Outline Drawing:

All Dimensions in mm [inches]



The tolerance noted is just for reference

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