

## Waveguide to Coaxial Adapter 40-50GHz



### Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

### Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems



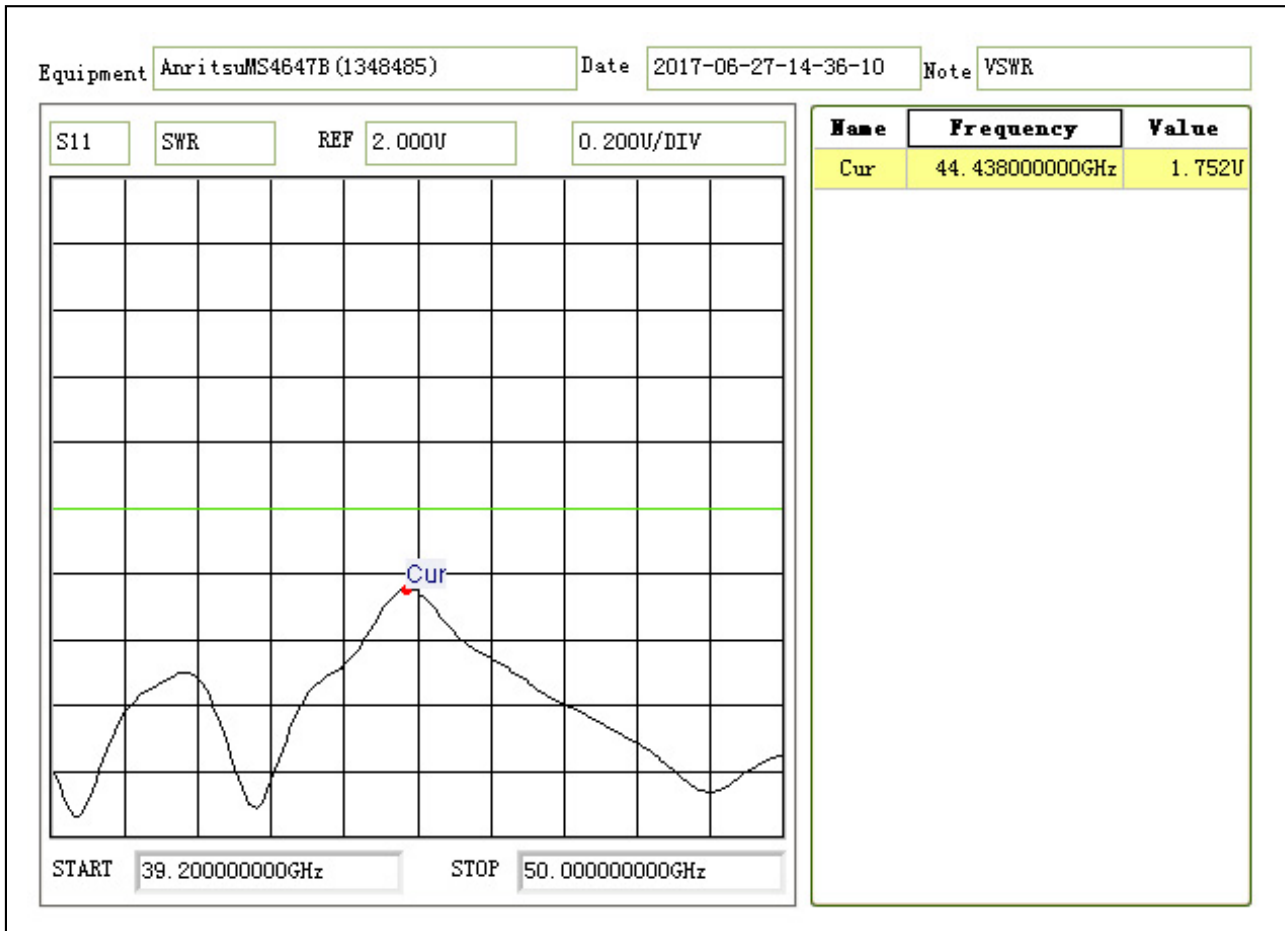
### Electrical Specifications, TA=25°C

| Parameters    | Min  | Typ | Max | Units |
|---------------|------|-----|-----|-------|
| FREQ RANGE    | 40   |     | 50  | GHz   |
| VSWR          |      |     | 1.5 |       |
| Waveguide     | WR19 |     |     |       |
| Average Power |      |     |     | (W)   |

### Reliability Test Matrix

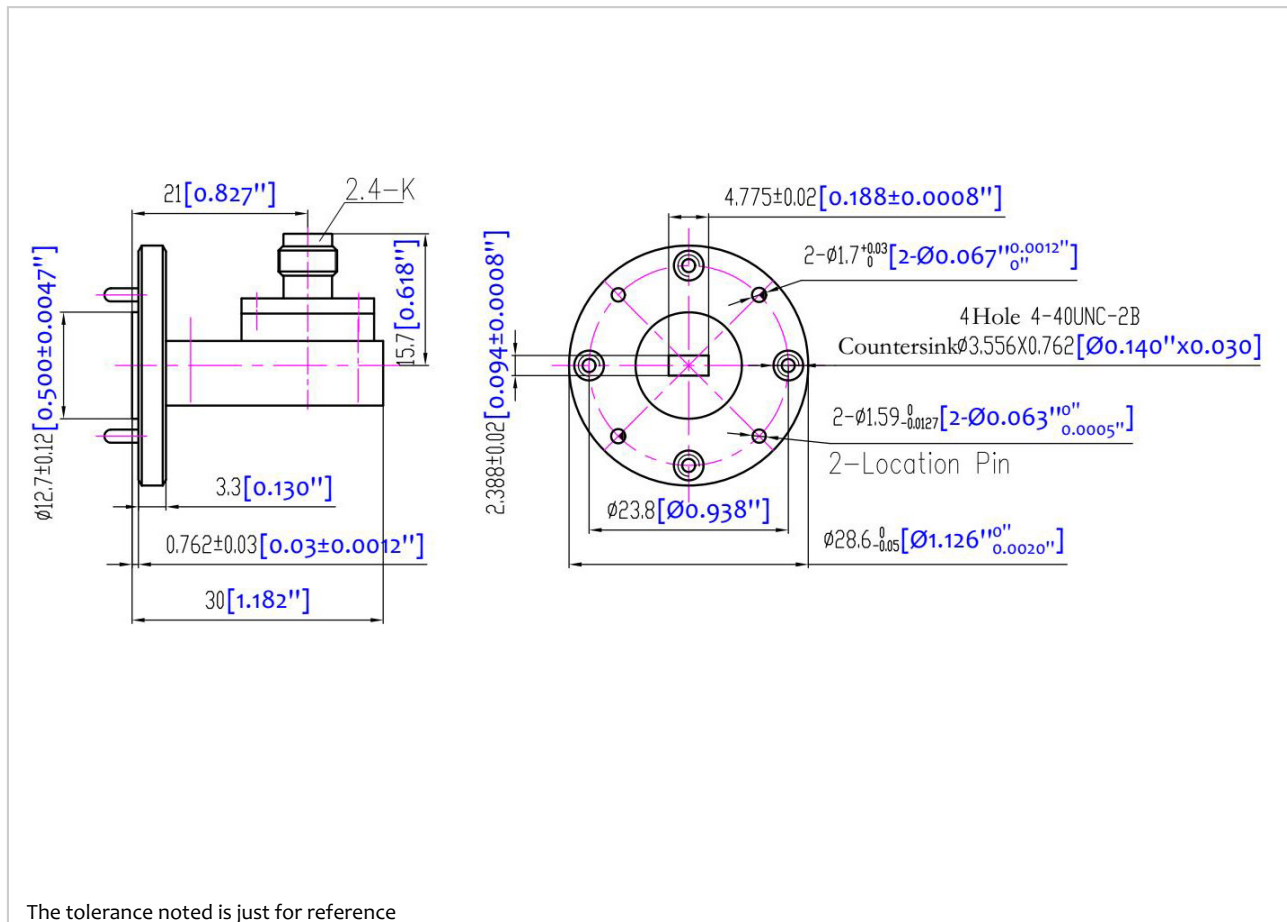
| Item                             | Standard      | Description   |
|----------------------------------|---------------|---|
| Operation Temperature            | MIL-STD-39016 | -45°C~+85°C   |
| Storage Temperature              |               | -55°C~+125°C  |
| Thermal Shock                    |               | 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]



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