

## Waveguide to Coaxial Adapter 8.2-12.4GHz



### Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

### Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

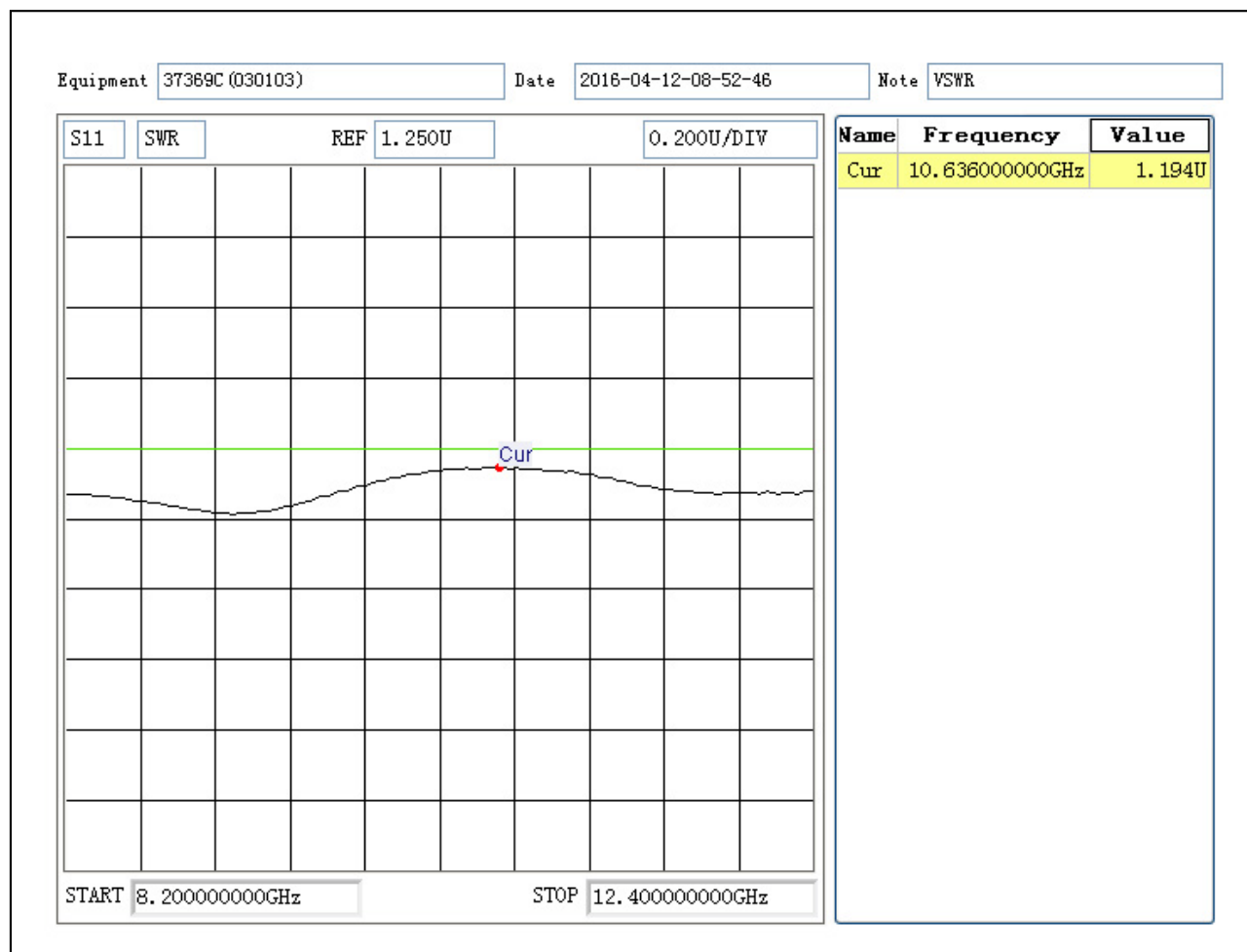
### Electrical Specifications, TA=25°C

| Parameters     | Min   | Typ | Max  | Units |
|----------------|-------|-----|------|-------|
| FREQ RANGE     | 8.2   |     | 12.4 | GHz   |
| VSWR           |       |     | 1.25 |       |
| Insertion Loss | 0.3   |     |      | dB    |
| Waveguide      | WR90  |     |      |       |
| Flange Type    | Cover |     |      |       |
| Average Power  | 100   |     |      | W     |
| Weight         | 0.1   |     |      | kg    |

### Reliability Test Matrix

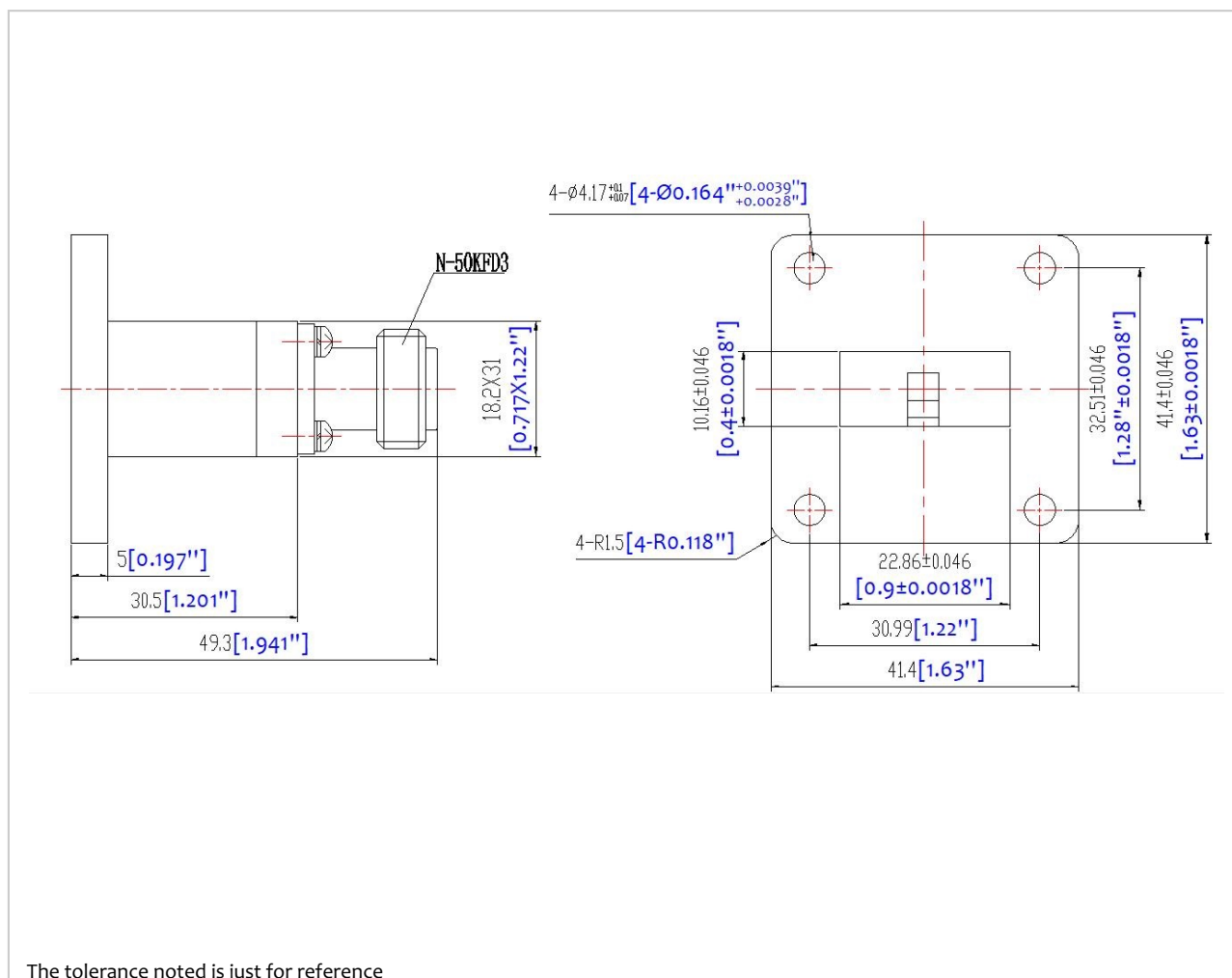
| Parameter                | Description                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operational Temperature  | -40°C~+85°C<br>(Case Temperature)                                                                                                                                                                         |
| Storage Temperature      | -50°C~+105°C                                                                                                                                                                                              |
| Thermal Shock            | -40°C~+85°C<br>(5 cycles/ 10 hours)                                                                                                                                                                       |
| Random Vibration         | MIL-STD-202G<br>Table 214-I, Test Condition Letter C<br>1.5 Hours Per Axis                                                                                                                                |
| High Temperature Burn In | Temperature +85°C for 72 Hours                                                                                                                                                                            |
| Shock                    | 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.Total 18 times (6 directions, 3 repetitions per direction.) |
| Altitude                 | Standard: 30,000 Ft (Epoxy Sealed Controlled Environment)<br>Optional: Hermetically Sealed (60,000 Ft 1.0 PSI min)                                                                                        |

### VSWR:



### Outline Drawing:

All Dimensions in mm [inches]



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