

## Waveguide Termination 10-15GHz



### Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

### Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

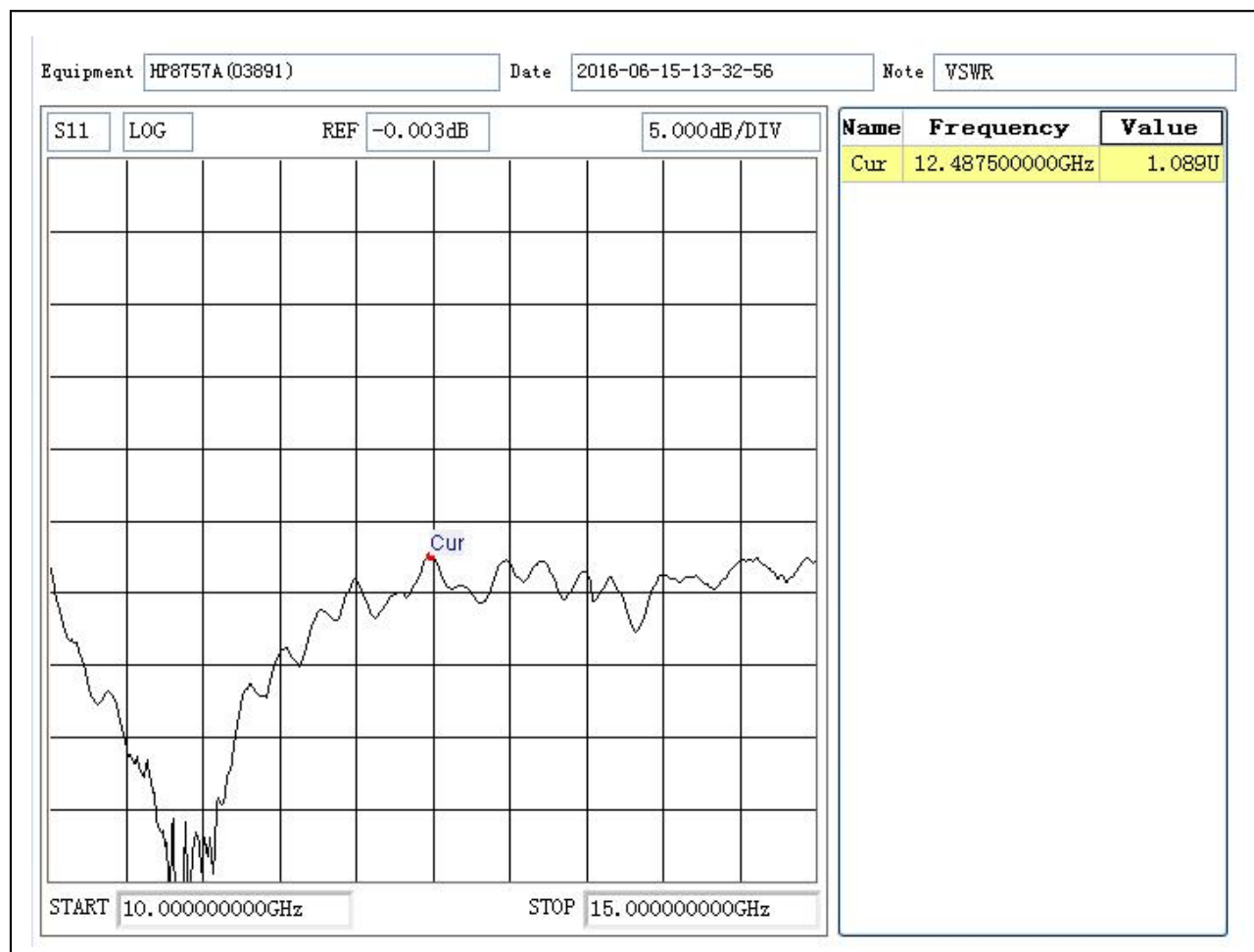
### Electrical Specifications, TA=25°C

| Parameters    | Min          | Typ | Max | Units |
|---------------|--------------|-----|-----|-------|
| FREQ RANGE    | 10           |     | 15  | GHz   |
| VSWR          |              |     | 1.1 |       |
| Average Power | 75           |     |     | W     |
| Waveguide     | WR75         |     |     |       |
| Flange Type   | Cover        |     |     |       |
| Material      | Copper/Brass |     |     |       |
| Weight        | 0.125        |     |     | kg    |

### Reliability Test Matrix

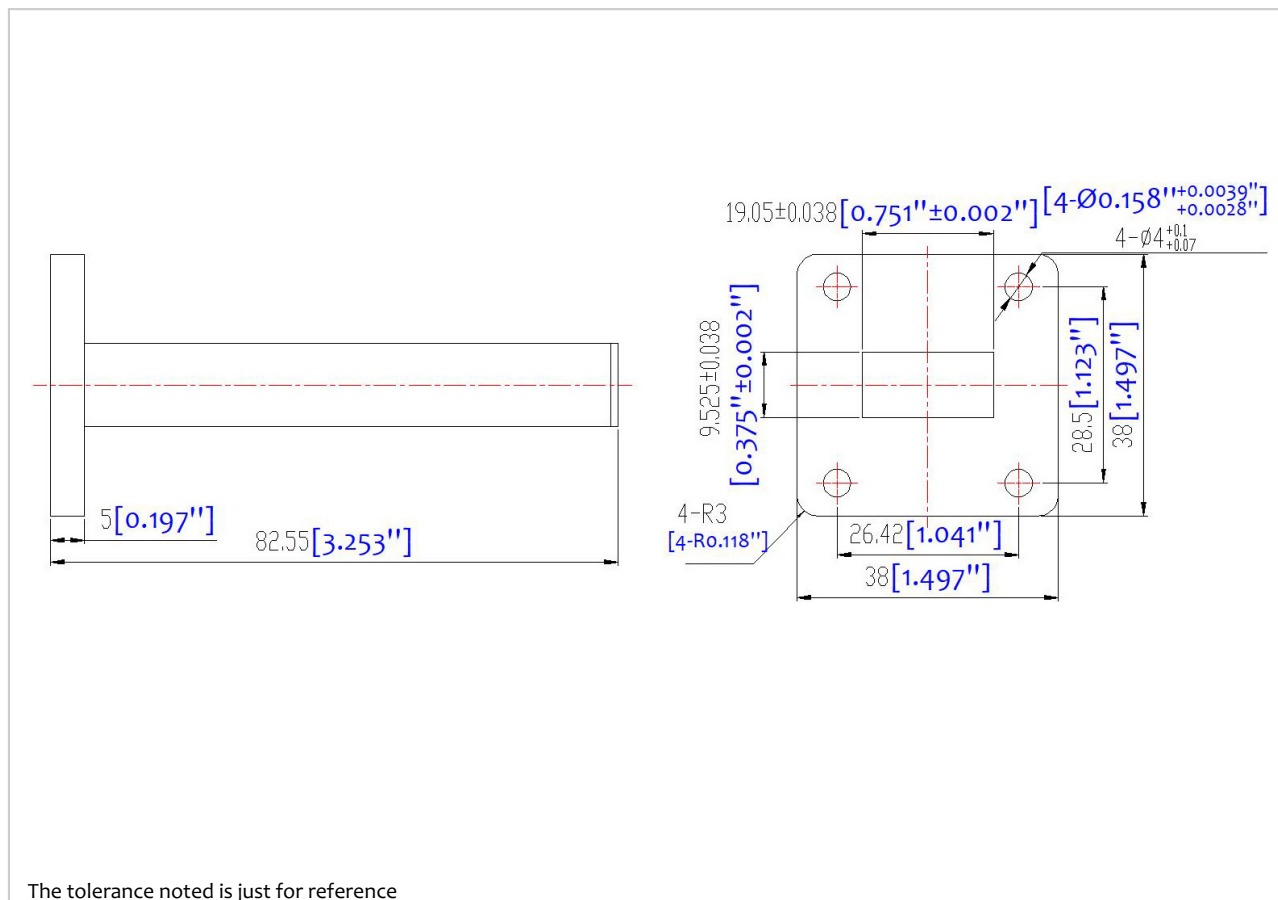
| Parameter                | Description                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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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