

## Waveguide Horn Antenna 11.9-18GHz



### Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

### Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

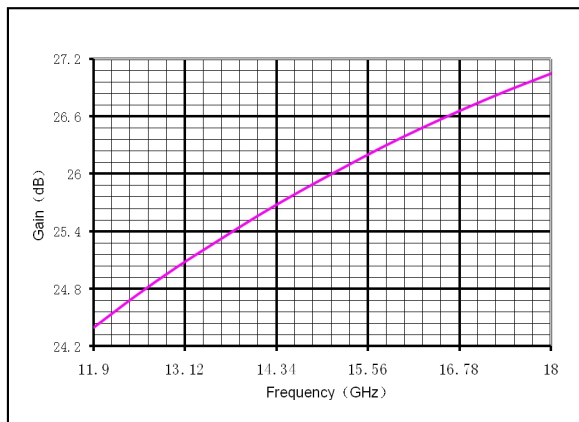
### Electrical Specifications, TA=25°C

| Parameters | Min   | Typ | Max  | Units |
|------------|-------|-----|------|-------|
| FREQ RANGE | 11.9  |     | 18   | GHz   |
| VSWR       |       |     | 1.25 |       |
| Gain       | 25    |     |      | dB    |
| Connector  | WR62  |     |      |       |
| Weight     | 1.075 |     |      | kg    |

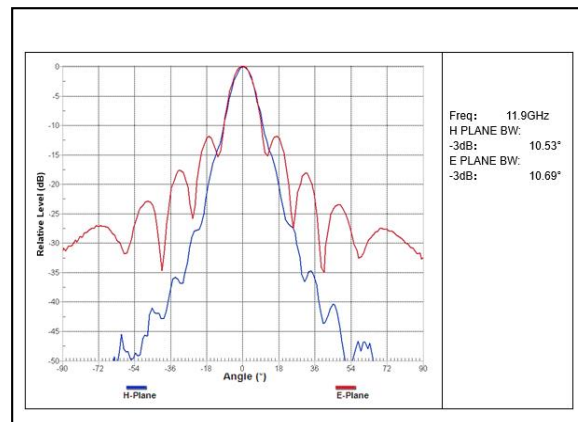
### Reliability Test Matrix

| 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)                                                                                        |

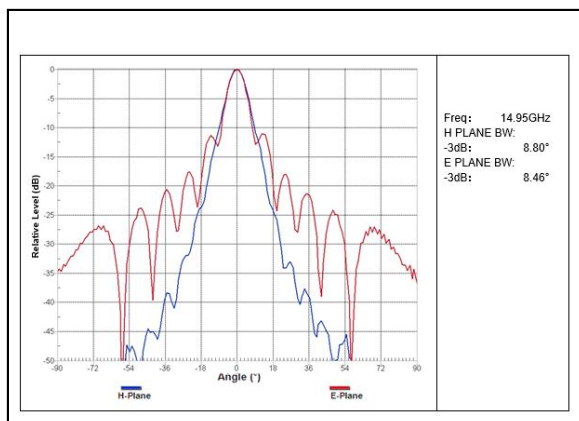
**Gain:**



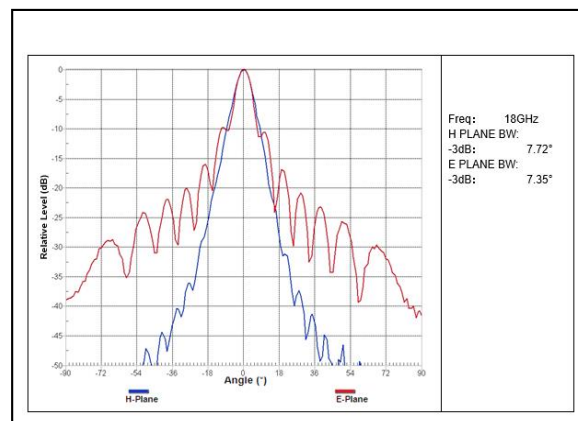
**pattern:**



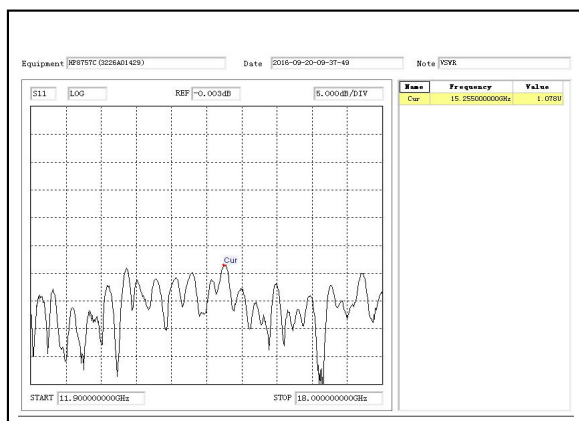
**pattern:**



**pattern:**

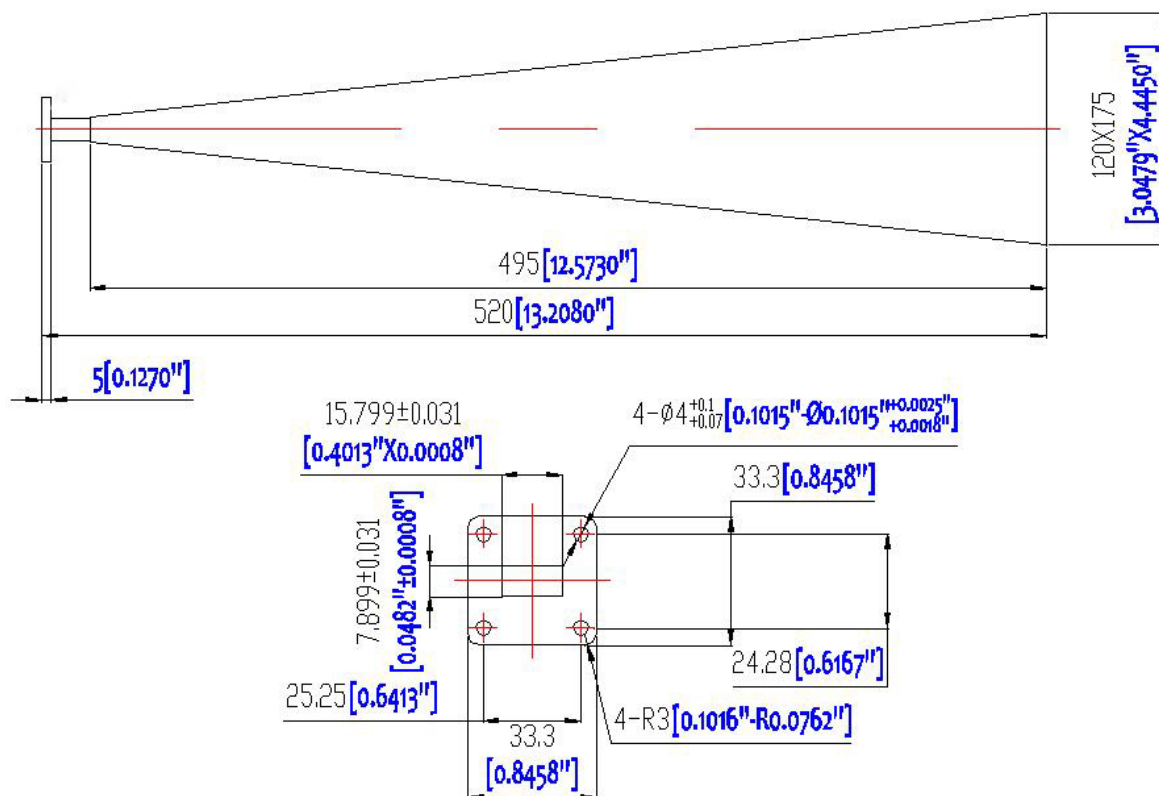


**VSWR:**



### Outline Drawing:

All Dimensions in mm [inches]



The tolerance noted is just for reference

### Important Notice

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