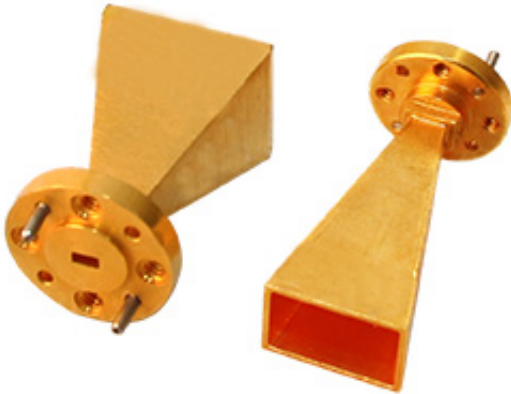


Waveguide Horn Antenna 145-220GHz



Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

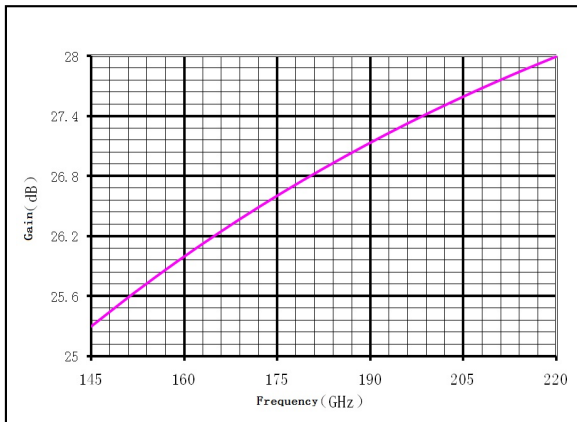
Electrical Specifications, TA=25°C

| Parameters | Min | Typ | Max | Units |
|------------|-----|-----|------|-------|
| FREQ RANGE | 145 | | 220 | GHz |
| VSWR | | | 1.25 | |
| Gain | 25 | | | dB |
| Connector | WR5 | | | |

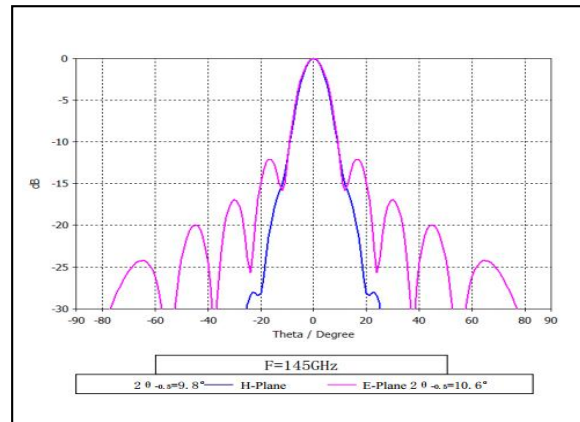
Reliability Test Matrix

| 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 2.Weight≤20g, 100g Half Sine wave for 6ms, Speed variation 3.75m/s 3.6 Shocking Direction, 3 times each direction. Total 18 times. |
| Altitude | | Standard Part: 30,000 Ft (Epoxy Sealed Controlled Environment) 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) |

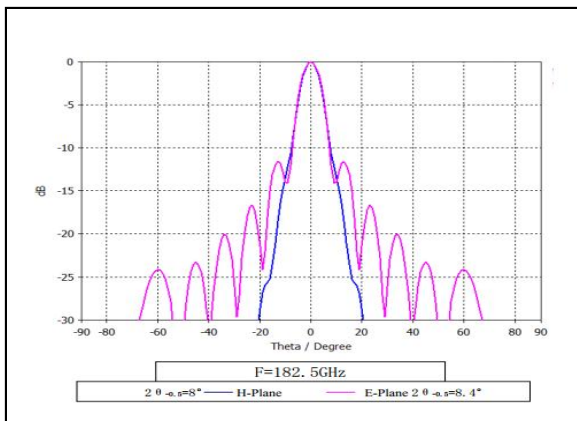
Gain:



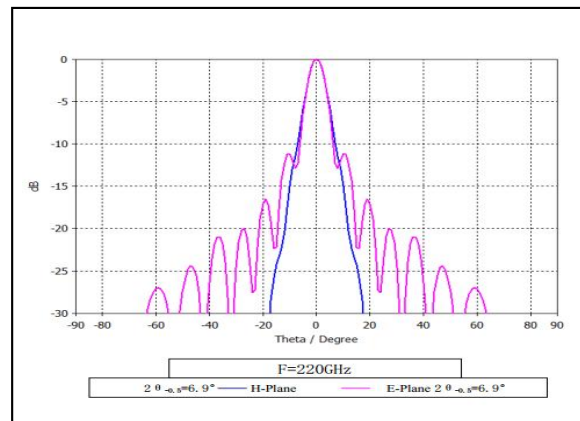
pattern:



pattern:

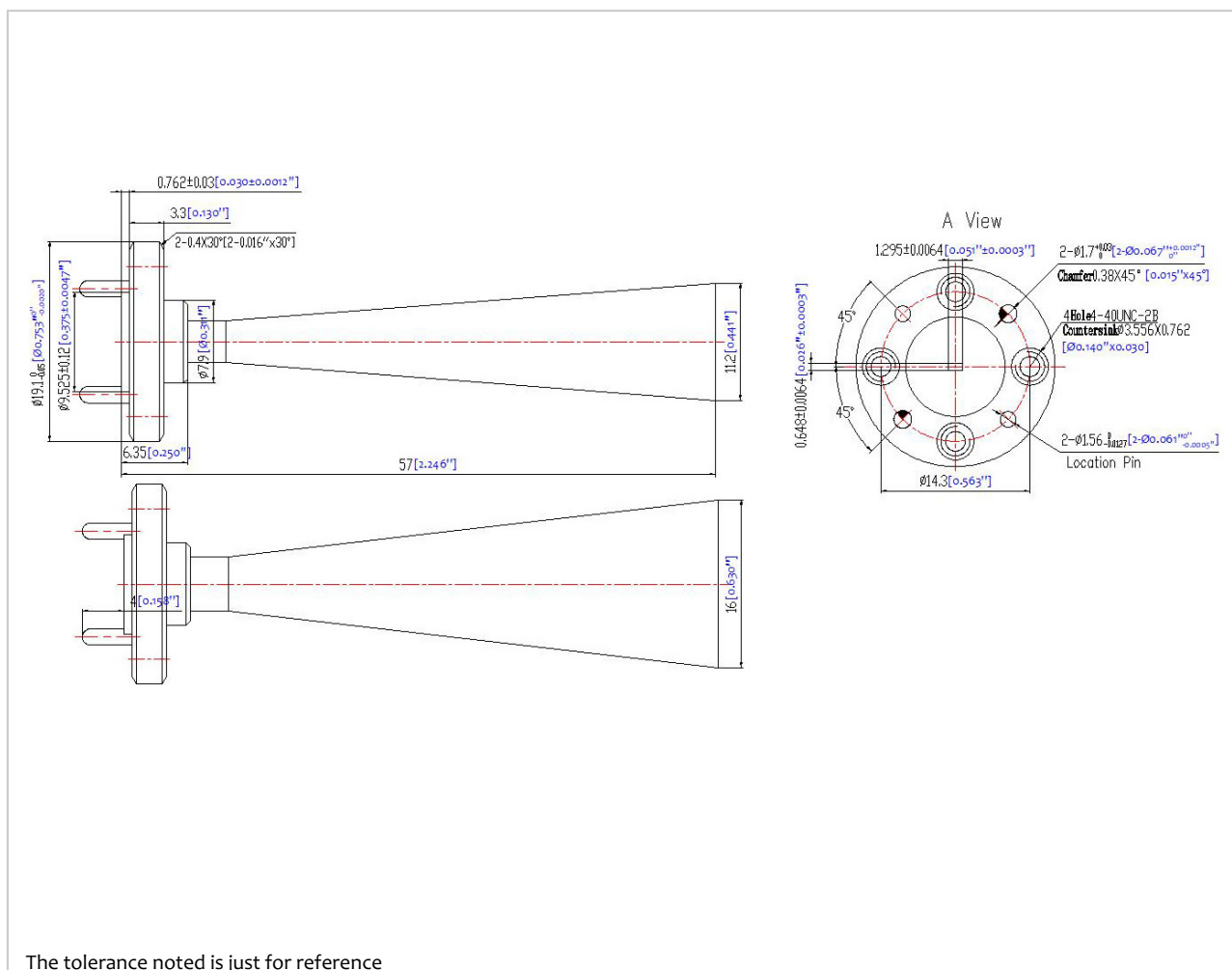


pattern:



Outline Drawing:

All Dimensions in mm [inches]



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