



Dual Polarized Horn Antenna Data Sheet

RM-DPHA3350-17

Features

- Full Q Band Performance
- Dual Polarization
- High Port Isolation
- Precisely Machined and Gold Plated

Description

The **RM-DPHA3350-17** is a full-band, dual-polarized, WR-22 horn antenna assembly that operates in the frequency range of 33 to 50GHz. The antenna features an integrated orthogonal mode converter that provides high port isolation. The RM-DPHA3350-17 supports vertical and horizontal waveguide orientations and has a typical 35 dB cross-polarization isolation, a nominal gain of 17 dBi at the center frequency, a typical 3db beamwidth of 28 degrees in the E-plane, a typical 3db beamwidth of 33 degrees in the H-plane. The input to the antenna is a WR-22 waveguide with a UG-387/U-M threaded flange.

Specifications

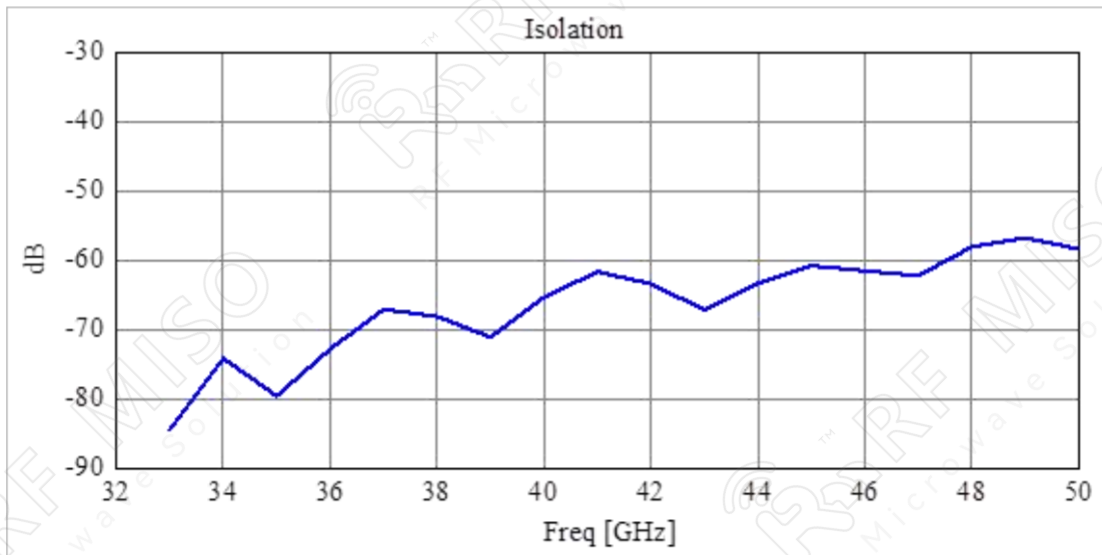
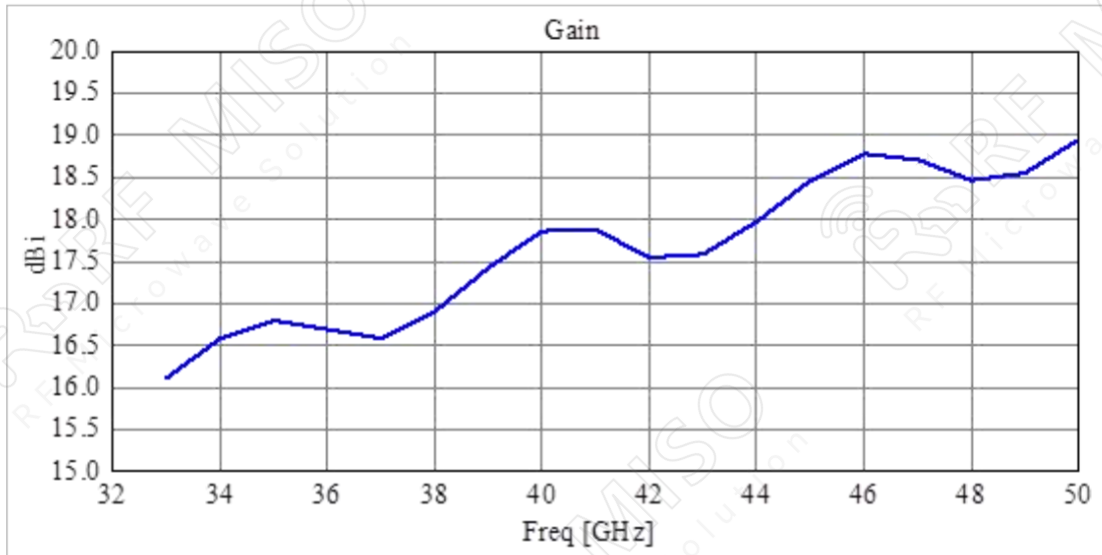
| RM-DPHA3350-17 | | |
|--------------------------|-----------------|---------|
| Item | Specification | Units |
| Frequency Range | 33-50 | GHz |
| Gain | 17 Typ. | dBi |
| VSWR | 1.3:1 Typ. | |
| Polarization | Dual | |
| 3dB Beam Width E Plane | 28 Typ. | Degrees |
| 3dB Bean Width H Plane | 33 Typ. | Degrees |
| Port Isolation | 45 Typ. | dB |
| Waveguide Size | WR-22 | |
| Flange Designation | UG-383U | |
| Size | 73.45*30.5*30.5 | mm |
| Weight | 0.273 | Kg |
| Body Material and Finish | Cu, Gold | |



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Simulated Data

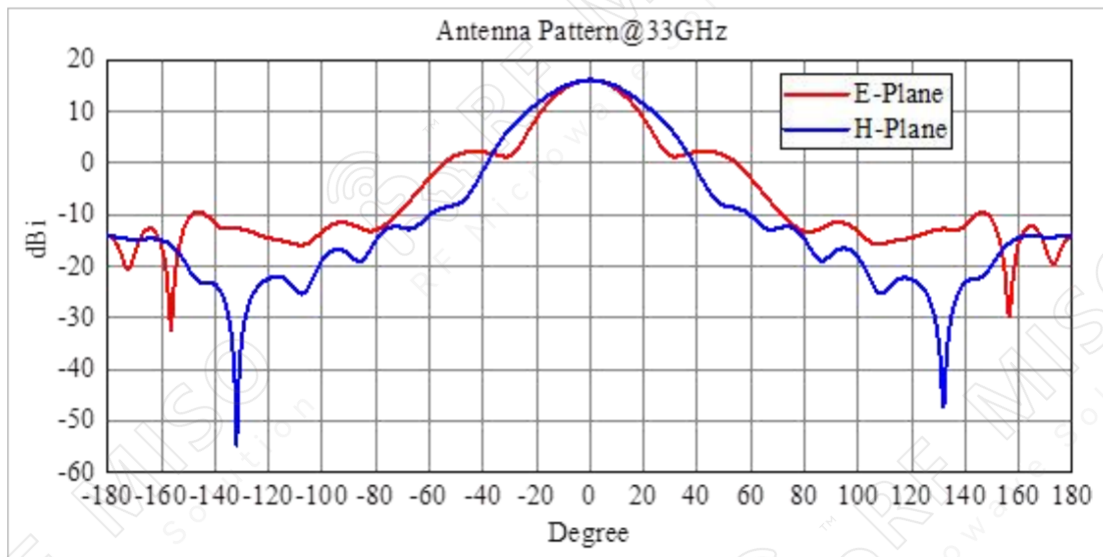
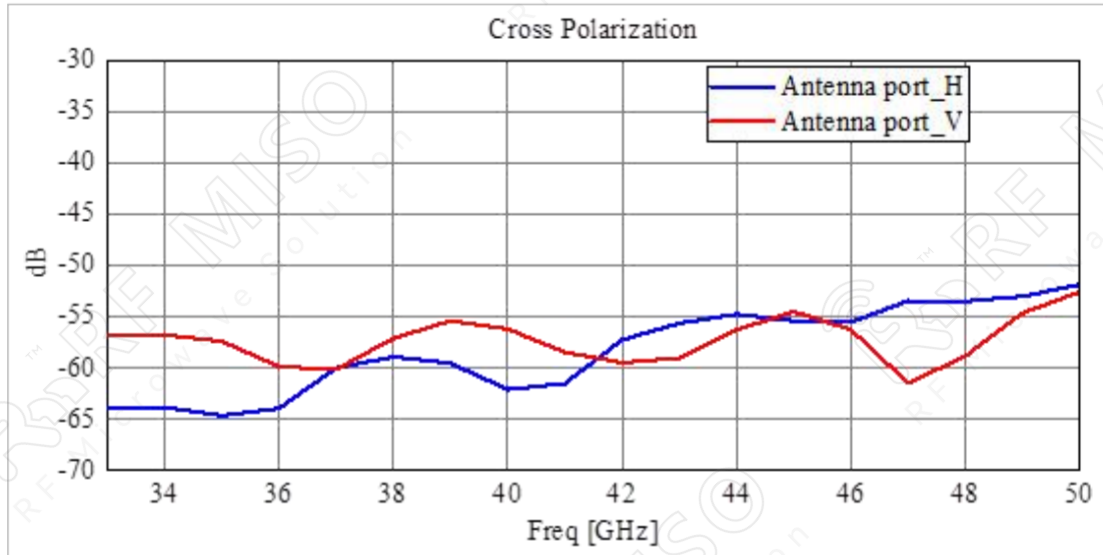




Dual Polarized Horn Antenna
17dBi Typ.Gain, 33GHz-50GHz Frequency Range

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