

MODEL NUMBER:

DRHA18G

DUAL RIDGED HORN ANTENNA, 1 TO 18 GHZ

DESCRIPTION:

Model DRHA18G is a dual ridged horn antenna that operates from 1 GHz to 18 GHz. The antenna offers 12 dBi nominal gain and a typical half power beamwidth of 57.5 degrees on the E-plane and 74.5 degrees on the H-plane. The typical cross polarization is 20 dB. The antenna supports linear polarized waveforms. The RF connector of this model is an N female coax connector. However, an SMA female coax connector is available under a different model number.

FEATURES:

- ✓ Coaxial Connector for RF Input
- ✓ Broadband Width
- ✓ Linear Polarization
- ✓ Good Impedance Match

APPLICATIONS:

- ✓ Antenna Ranges
- ✓ Antenna Gain Measurements
- ✓ System Setups

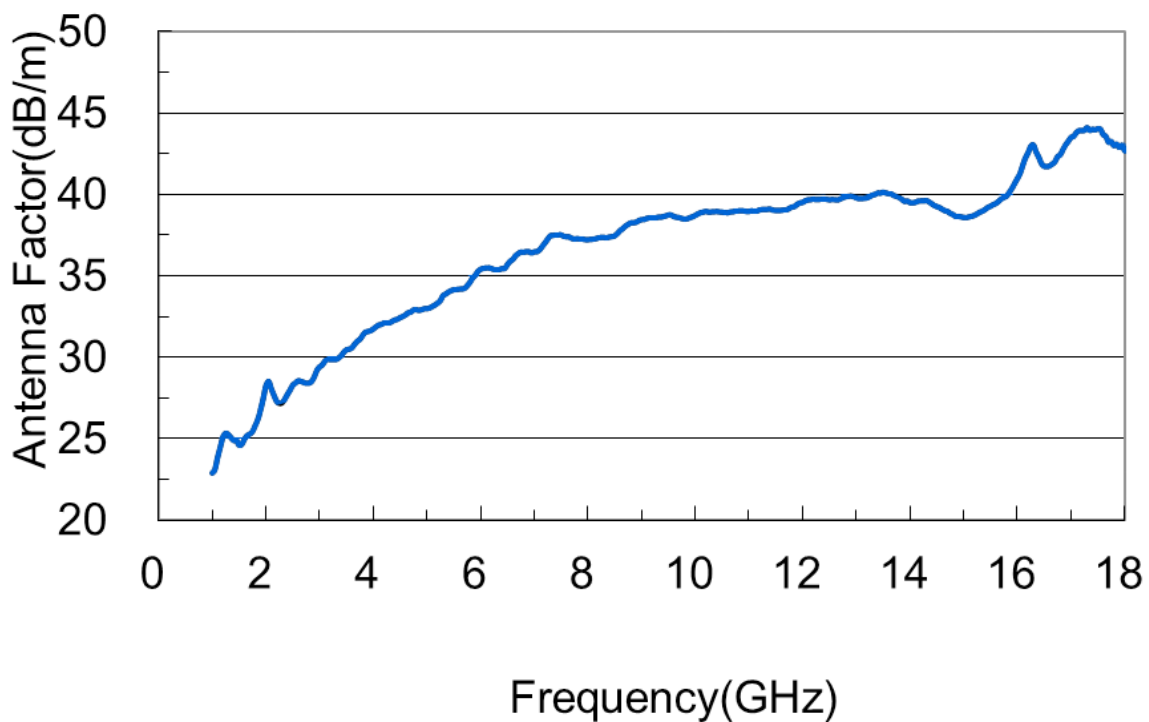
ELECTRICAL SPECIFICATIONS:

PARAMETER	MINIMUM	TYPICAL	MAXIMUM
Frequency	1 GHz		18 GHz
Gain	2.1 dBi	12 dBi	14.5 dBi
Polarization		Linear	
3 dB Beamwidth, E-Plane	30°	57.5°	85°
3 dB Beamwidth, H-Plane	23°	74.5°	126°
Cross Polarization	16 dB	20 dB	28 dB
VSWR	1.1:1	1.5:1	2.5:1
Power Handling		200 W	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

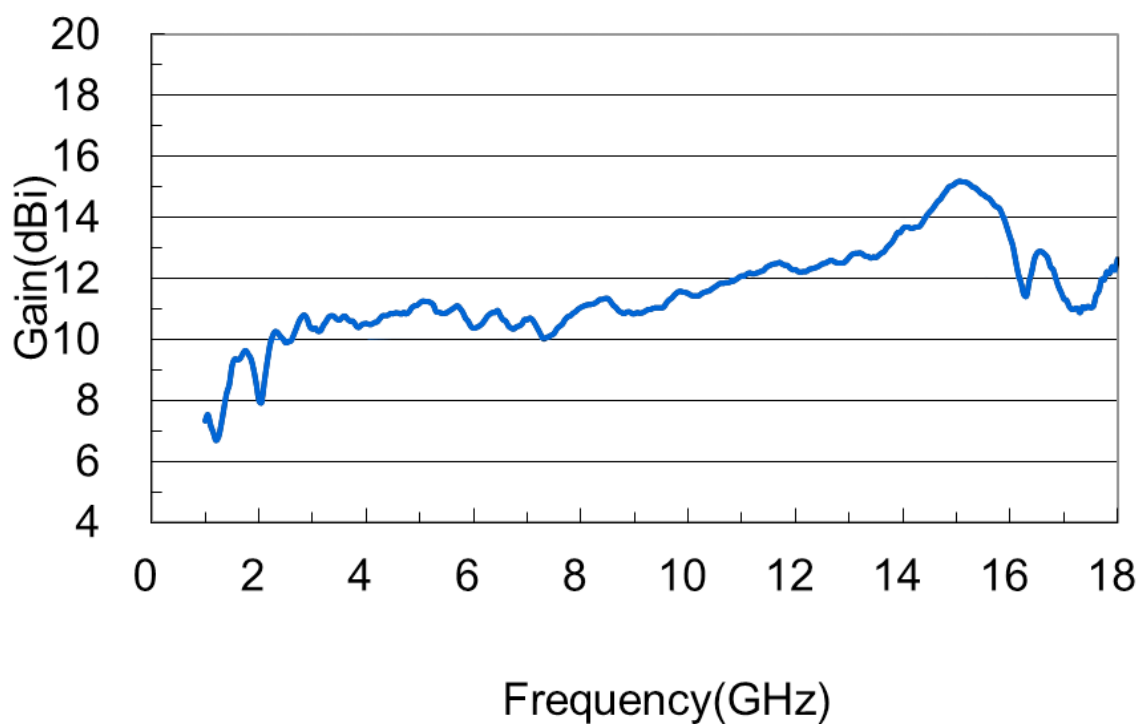
MECHANICAL SPECIFICATIONS:

ITEM	SPECIFICATION
Antenna Port	N (F)
Size	6.89" (L) X 6.93" (W) X 6.22" (H)
Material	Aluminum
Finish	Chem Film
Weight	2.4 Lbs
Outline	AR-6CGG-DR-NG1

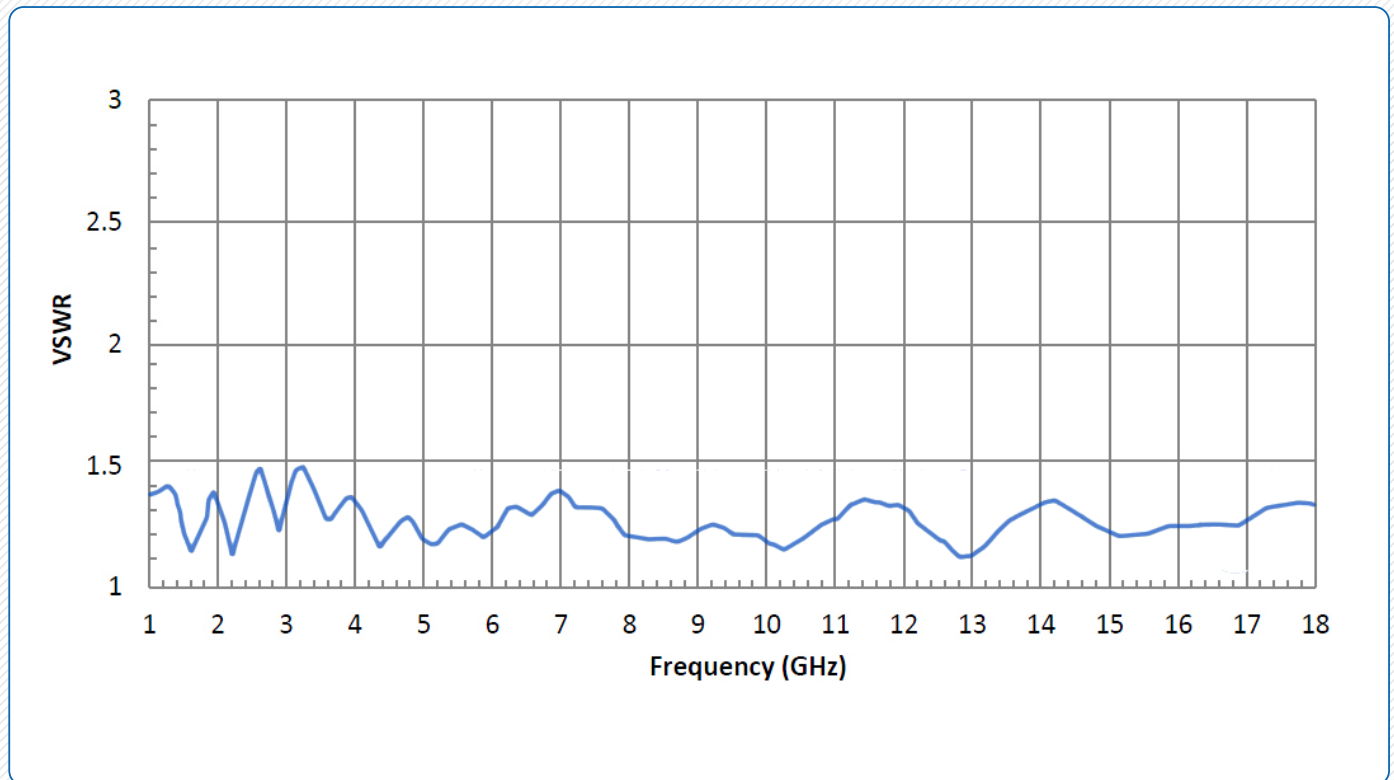
ANTENNA FACTOR VS. FREQUENCY



GAIN VS. FREQUENCY



TYPICAL VSWR VS. FREQUENCY



NOTE:

- All data presented is collected from a sample lot. Actual data may vary unit to unit.
- The EMC Shop, LLC reserves the right to change the information presented without notice.

CAUTION:

- Any foreign objects in the waveguide will cause performance degradation and possible device damage.

