

# MT-486013/NVH

4.9 - 6 GHz 30 dBi Dual Pol 2' Parabolic Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	4.9 - 6 GHz
Gain	29 ±0.5 dBi min @ 4.9 – 5.35 GHz 30 ±0.5 dBi min @ 5.35 - 6 GHz
VSWR	1.6:1 typ
Beam Width	5.5° typ
Polarization	Linear Vertical & Horizontal or Dual Slant ±45° Polarization
Side Lobes Level	20 dB typ
XPD	25 dB typ
F/B Ratio	45 dB typ
Port to Port Isolation	30 dB min, 40 dB typ
Input Power	20 W - rms 25 W - peak
Input Impedance	50 ohm

## Mechanical

Dimensions (Diameter x Depth)	725 x 440 mm max
Weight	6.3 kg max
Connector	2 x N- Type Female
Radome	None

## Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-55 °C	
High Temperature	IEC 68-2-2	72 h	+71 °C	
Temp. Cycling	IEC 68-2-14	1 h	-45 °C +70 °C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67
Solar Radiation	ASTM G53	1000 h		
Flammability	UL 94			Class HB
Salt Spray	IEC 68-2-11 Ka	168 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load	Front Thrust			150 kg
Survival	Side Thrust			3.7 kg

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