

# MT-405036/N

3.3-3.8 GHz 18 dBi Directional Antenna

## Electrical

Regulatory Compliance	ETSI EN 302 085 V1.2.2 (2003-08) Range 1 RoHS , CE 0682
Frequency	3.3 – 3.8 GHz
Gain	18 dBi min
VSWR	1.7 :1 max
3 dB Beam Width	15° typ
Polarization	Linear Vertical or Horizontal
Azimuth Side Lobes Level	ETSI EN 302 085 V1.2.2 (2003-08) TS1-TS2 @ 3.3-3.4 GHz ETSI EN 302 085 V1.2.2 (2003-08) TS1-TS3 @ 3.4-3.8 GHz
Elevation Side Lobes Level	ETSI EN 302 085 V1.2.2 (2003-08) TS1-TS3
Cross Polarization	ETSI EN 302 085 V1.2.2 (2003-08) TS1 -TS3 -20 dB max
F/B Ratio	ETSI EN 302 085 V1.2.2 (2003-08) TS1 -TS3 -30 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	305 x 305 x 15 mm max
Weight	1.2 kg max
Connector	N- Type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating

## 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			IP64
Solar Radiation	ASTM G53	1000 h		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load	Front Thrust			26.6 kg
Survival	Side Thrust			1.3 kg

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