MT-464044/NVH

5.7 – 6.425 GHz, 17.0 dBi 60° Dual Pol Base Station Antenna

Wireless Edge Antenna Solutions
An MTI Company

Electrical		
Regulatory Compliance		ETSI EN 302 326-3 V1.3.1, (2008-02) RoHS, CE 0682
Frequency		5.7 - 6.425 GHz
Gain		17 dBi typ 16 dBi min @ Port V 17 dBi typ 15 dBi min @ Port H
VSWR		1.7:1 typ
Azimuth Beam Width		ETSI EN 302 326-3 V.1.3.1 SS3 60° min @ 12dBi
Polarization		Dual Horizontal & Vertical
Elevation Beam Width		9° ±1°
Elevation Null Fill Below Horizon	1st Null	-15 dB min @10°
	2nd Null	-25 dB min @ 20°
Cross Polarization		ETSI EN 302 326-3 V.1.3.1 SS3 -22dB max
Port To Port Isolation		-35dB
F/B Ratio		-30 dB max
Input Impedance		50 Ω
Input Power		6W max
Lightning Protection		DC Grounded

Mechanical	
Dimensions (LxWxD)	436 x 250 x 10 mm max
Weight	2.2 kg max
Connector	2 X N-type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Mounting Kit	MT-120019

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			IP54
Solar Radiation		ASTM G53	1000 h		
Flammability		UL 94			CLASS HB
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 Survival	Front Thrust				31.4 kg
	Side Thrust				1.3 kg

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