



MT-482015/N/A

5.725-5.925GHz 10.5dBi Ultra Low-Cost Omni Directional Antenna

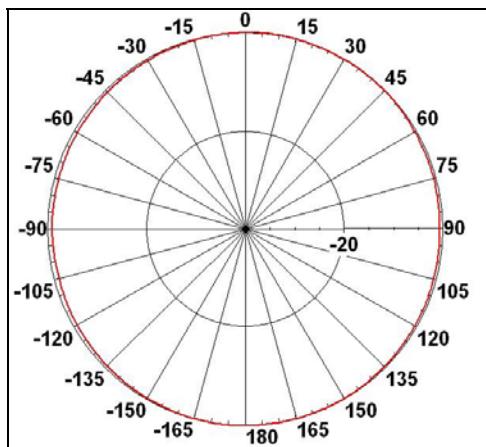


Specifications

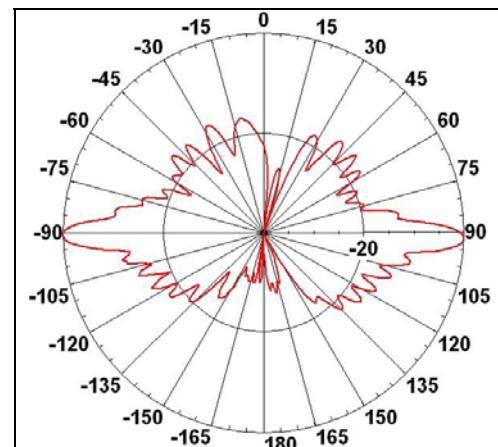
MTI PART NUMBER	MT - 482015/N/A			
ELECTRICAL				
FREQUENCY RANGE	5.725-5.925GHz			
PEAK GAIN	10.5 dBi (min)			
VSWR	1.7:1 (max) 1.5:1 (typ) @ 5.725-5.875 GHz 2:1 (max) @ 5.875-5.925 GHz			
AZIMUTH BEAMWIDTH	Omni			
GAIN + AZIMUTH RIPPLE	10 ± 1 dB			
ELECTRICAL DOWN TILT	-2.5 ° (typ) @ 5.725 GHz -1.25 ° (typ) @ 5.825 GHz 0 ° (typ) @ 5.925 GHz			
POLARIZATION	Linear Vertical			
E - PLANE BEAMWIDTH	6.5° (typ)			
E - PLANE SIDELOBES	-10 dB (typ)			
INPUT IMPEDANCE	50 (ohm)			
INPUT POWER	6W (max)			
LIGHTNING PROTECTION	DC Grounded			
MECHANICAL				
DIMENSIONS - DIAMETER X HEIGHT	16mm X 460mm (max)			
WEIGHT	0.5 kg (max)			
CONNECTOR	N-Type Male			
RADOME	Plastic, UV Resistance			
BASE PLATE	Aluminum with chemical conversion coating			
OUTLINE DRAWING	See page 2			
MOUNTING KIT	Mounted to Radio's N-Female output			
ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERTURE	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	ASTAM G53	1000 h	-	-
FLAMMABILITY	UL 94	-	-	Class HB
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL	-	-	-	220 Km/h
OPERATION	-	-	-	160 Km/h

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Azimuth Radiation Pattern
Midband Freq. 5.825 GHz



Elevation Radiation Pattern
Midband Freq. 5.825 GHz



Dimensions [mm]



Existing Antenna Versions

MTI Wireless Edge is certified according to ISO 9001 and ISO 14001.

WAIVER!

While the information contained in this document has been carefully compiled to the best of our present knowledge, it is not intended as presentation or warranty of any kind on our part regarding the fitness of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The fitness of each product for any particular purpose must be checked beforehand with our specialists.

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