

MT-343013/N

2.4-2.5 GHz 12dBi Omni Antenna



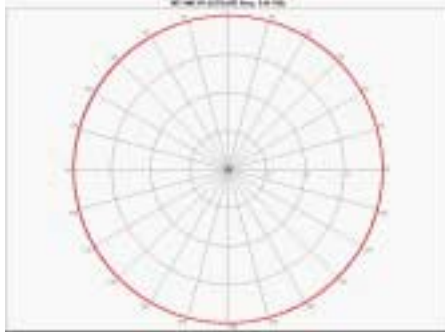
Specifications

MTI PART NUMBER	MT – 343013/N			
ELECTRICAL				
FREQUENCY RANGE	2.4-2.5 GHz			
GAIN	12 dBi ± 1			
VSWR	1.5 : 1 (max)			
AZIMUTH BEAMWIDTH	360°			
AZIMUTH RIPPLE	±0.5 dB			
POLARIZATION	Linear Vertical			
E – PLANE BEANWIDTH	5.1° (typ)			
E – PLANE SIDELOBES	-10dB (max)			
INPUT IMPEDANCE	50 (ohm)			
INPUT POWER	6W (max)			
LIGHTNING PROTECTION	DC Grounded			
MECHANICAL				
DIMENSIONS DIAMETER	30 mm (max)			
HEIGHT	1400 mm(max)			
WEIGHT	1 Kg			
CONNECTOR	N-Type Female			
RADOME	Fiberglass, UV Resistant			
BASE PLATE	Aluminum with chemical conversion coating			
OUTLINE DRAWING	See page 2			
MOUNTING KIT	Mounted to Pole Ø1.5" - Ø3" by the means of 2 clamps			
ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-45°C	-
HIGH TEMPERATURE	IEC 68-2-2	72 h	+70°C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random4M3
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M3
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	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED	SURVIVAL	-	-	220 Km/h
	OPERATION	-	-	160 Km/h

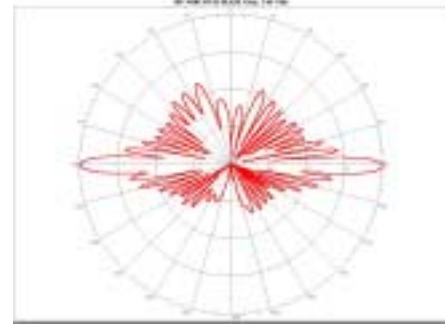
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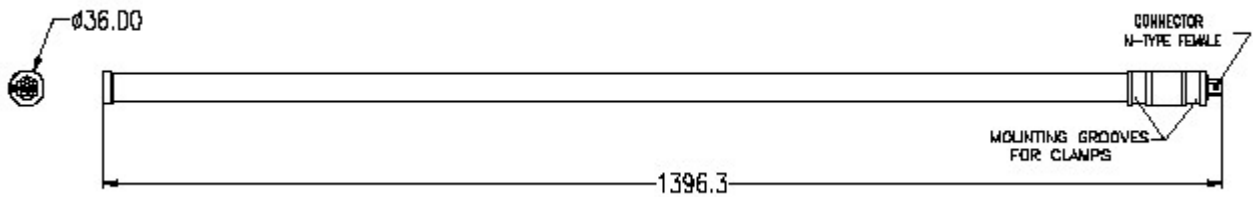
Azimuth Radiation Pattern
 Midband Freq. 2.45 GHz



Elevation Radiation Pattern
 Midband Freq 2.45 GHz



Dimensions [mm]



Existing Antenna Versions

MT-343013/N	With N – Type Female connector & DC grounding
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MTI group 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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