



# MT-343018/NH

## 2.4-2.5 GHz 13dBi Base Station Antenna



### Specifications

MTI PART NUMBER		MT – 343018/NH			
<b>ELECTRICAL</b>					
FREQUENCY RANGE	2.4-2.5 GHz				
PEAK GAIN	13 ± 1dBi (min)				
VSWR	1.5 : 1 (max)				
10dBi AZIMUTH BEAMWIDTH	90° (min)				
ELEVATION BEAMWIDTH	13° (typ)				
POLARIZATION					
AZIMUTH SIDELOBES LEVEL	ETSI EN 301-525 V1.1.1 CS -27dB (max) @ ± 135°				
CROSS POLARIZATION	ETSI EN 301-525 V1.1.1 CS -20dB (max)				
CROS POLARIZATION DISCRIMINATION	-28dB (max)				
F/B RATIO	ETSI EN 301-525 V1.1.1 CS -30dB (max)				
INPUT IMPEDANCE	50 (ohm)				
INPUT POWER	6W (max)				
LIGHTNING PROTECTION	DC Grounded				
<b>MECHANICAL</b>					
DIMENSIONS (LxWxD)	500 x 200 x 30mm (max)				
WEIGHT	1.5 Kg (max)				
CONNECTOR	N-Type Female				
RADOME	Plastic				
BASE PLATE	Aluminum with chemical conversion coating				
OUTLINE DRAWING	See page 2				
MOUNTING KIT	MT-120019				
<b>ENVIRONMENTAL</b>					
TEST	STANDARD	DURATION	TEMPERTURE	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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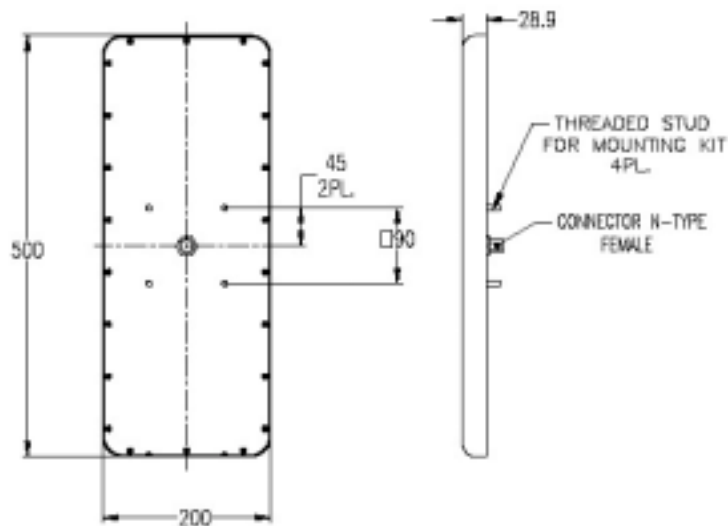
**Azimuth Radiation Pattern**  
Midband Freq. 2.45 GHz



**Elevation Radiation Pattern**  
Midband Freq. 2.45 GHz



#### Dimensions [mm]



#### Existing Antenna Versions

MT-343018/NH	With N – Type Female connector & DC grounding

**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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