

# MT-342007/N

## 2.4-2.5 GHz 9dBi Omni Antenna



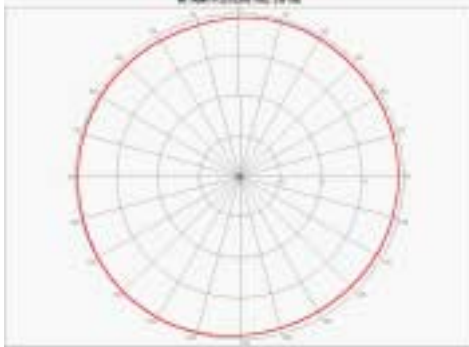
### Specifications

MTI PART NUMBER		MT – 342007/N			
<b>ELECTRICAL</b>					
FREQUENCY RANGE		2.4-2.5 GHz			
GAIN		9 dBi			
VSWR		1.5 : 1 (max)			
AZIMUTH BEAMWIDTH		360°			
AZIMUTH RIPPLE		+/-1 dB			
POLARIZATION		Linear Vertical			
E – PLANE BEAMWIDTH		10deg (typ)			
ELEVATION PATTERN SIDELOBES					
BELOW HORIZON		1 <sup>ST</sup> Null Fill @ 5°	-12dB (max)		
		2 <sup>nd</sup> Sidelobe	-10dB (max)		
ABOVE HORIZON		-8 dB (max)			
INPUT IMPEDANCE		50 (ohm)			
INPUT POWER		6W (max)			
LIGHTNING PROTECTION		DC Grounded			
<b>MECHANICAL</b>					
DIMENSIONS DIAMETER					
HEIGHT					
WEIGHT		0.7 Kg (max)			
CONNECTOR					
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			
<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	

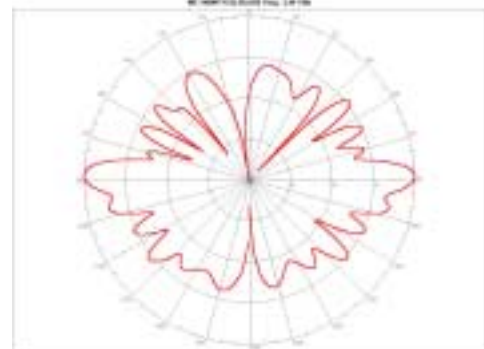
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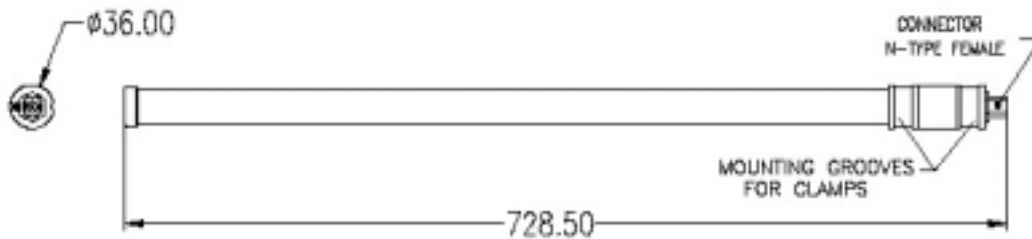
**Azimuth Radiation Pattern**  
Midband Freq. 2.45 GHz



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



#### Dimensions [mm]



#### Existing Antenna Versions

MT-342007/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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