

MT-402009/N/A

## 3.4-3.7GHz 8.5dBi Omni directional Antenna

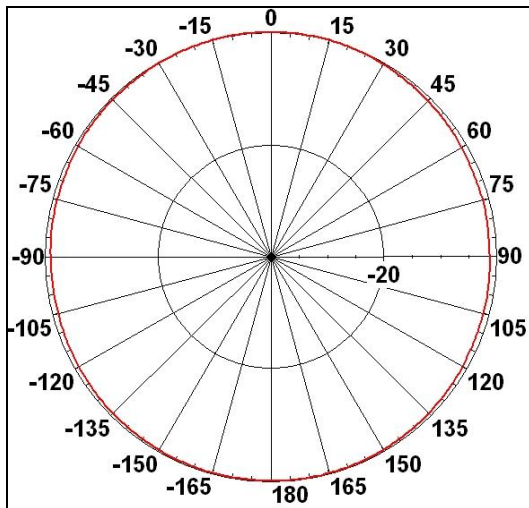


### Specifications

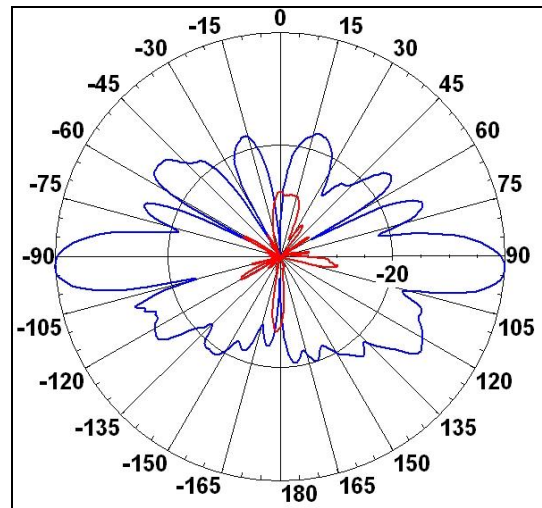
MTI PART NUMBER		MT - 402009/N/A		
ELECTRICAL				
REGULATORY COMPLIANCE		ETSI EN 302 085 V1.2.2 (2003-08), RoHS, CE 0682		
FREQUENCY RANGE		3.4-3.7GHz		
PEAK GAIN & AZIMUTH RIPPLE		9.0 dBi ± 1 dB		
VSWR		1.7:1 (max) @ 3.4-3.6GHz, 1.8:1 (max) @ 3.6-3.7GHz		
AZIMUTH BEAMWIDTH		360 °		
GAIN & AZIMUTH RIPPLE @ HORIZON		8.0 dBi ± 1 dB @ 3.4GHz		
		9.0 dBi ± 1 dB @ 3.5GHz		
		8.5 dBi ± 1 dB @ 3.6GHz		
ELECTRICAL TILT		-3° (typ) @ 3.4 GHz		
		0° (typ) @ 3.5 GHz		
		+3° (typ) @ 3.6 GHz		
		3.5° (typ) @ 3.7 GHz		
POLARIZATION		Linear Vertical		
E - PLANE BEAMWIDTH		11 ° (typ)		
CROSS POLARIZATION DISCRIMINATION		-20 dB		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6 W (max)		
LIGHTNING PROTECTION		DC Grounded		
MECHANICAL				
DIMENSIONS - DIAMETER X HEIGHT		28mm X 465mm (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	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 4M3
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M3
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP67
SOLAR RADIATION	ASTAM G53	1000 h	-	-
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL	-	-	-	220 Km/h
OPERATION		-	-	160 Km/h

### 3.4-3.7GHz 8.5dBi Omni directional Antenna

Azimuth Radiation Pattern  
Midband Freq. 3.4 GHz



Elevation Radiation Pattern  
Midband Freq. 3.4 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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