

**MT-405036/N**

## 3.3-3.8 GHz 18 dBi Subscriber Antenna

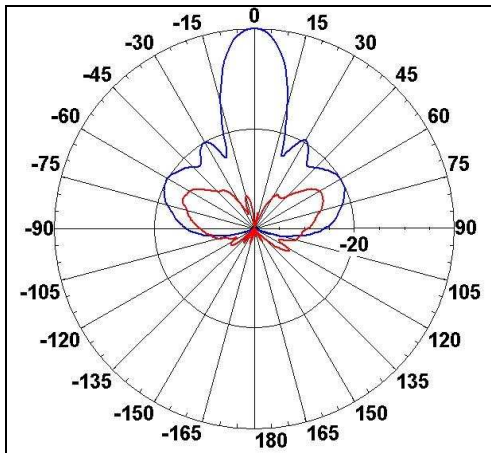


### Specifications

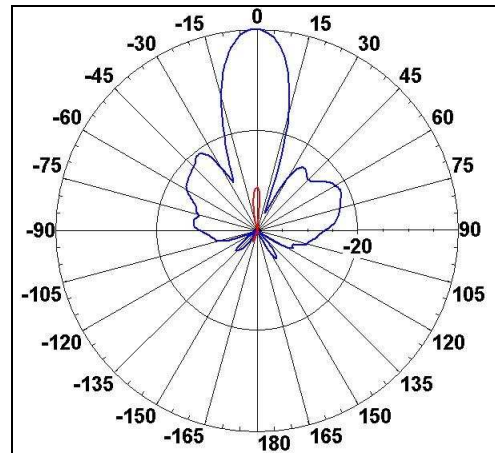
MTI PART NUMBER		MT - 405036/N		
<b>ELECTRICAL</b>				
REGULATORY COMPLIANCE	ETSI EN 302 085 V1.1.2 (2001-02) TS2 Range 1, RoHS, CE 0682			
FREQUENCY RANGE	3.3-3.8 GHz			
GAIN	18dBi			
VSWR	1.7:1 (max)			
3 dB BEAMWIDTH	15° (typ)			
POLARIZATION	Linear Vertical or Horizontal			
SIDELOBES LEVEL	ETSI EN 302 085 V.1.1.2 (2003-08)TS1-TS3			
CROSS POLARIZATION	ETSI EN 302 085 V.1.1.2 (2001-02)TS1-TS3 -20 dB (max)			
F/B RATIO	ETSI EN 302 085 V.1.1.2 (2001-02)TS1-TS3 -30 dB (max)			
INPUT IMPEDANCE	50 (ohm)			
INPUT POWER	6W (max)			
LIGHTNING PROTECTION	DC Grounded			
<b>MECHANICAL</b>				
DIMENSIONS (LxWxD)	305x305x15mm (max)			
WEIGHT	1.2 kg (max)			
CONNECTOR	N-Type Female			
RADOME	Plastic			
BASE PLATE	Aluminum with chemical conversion coating			
OUTLINE DRAWING	See page 2			
MOUNTING KIT	MT-120018			
<b>ENVIRONMENTAL</b>				
<b>TEST</b>	<b>STANDARD</b>	<b>DURATION</b>	<b>TEMPERATURE</b>	<b>NOTES</b>
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	-	Random4M3
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M3
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
WIND LOAD SUR. FRONT TH.	-	-	-	26.6 kg
SIDE THRUST	-	-	-	1.3 kg

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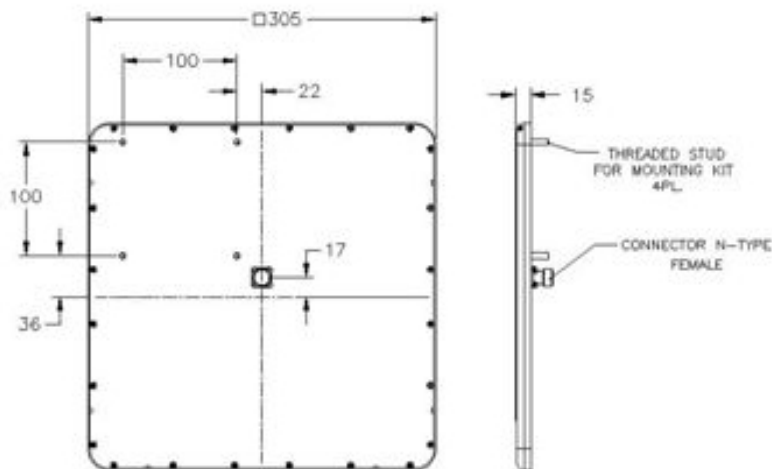
Azimuth Radiation Pattern  
 Midband Freq. 3.5 GHz



Elevation Radiation Pattern  
 Midband Freq. 3.5 GHz



#### Dimensions [mm]



#### Existing Antenna Versions

MT-405036/S/E	Integrated Antenna for 1 foot Enclosure
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MTI Wireless Edge is certified according to ISO 9001 and ISO 14001.

#### WAIVER!

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