MT-404021/S

3.3-3.8 GHz 17 dBi Dual Polarized Subscriber Antenna

Specifications

MTI PART NUMBER	MT - 404021/S
ELECTRICAL	
REGULATORY COMPLIANCE	ETSI EN 302 085 V.1.1.1 92000-06) TS1-TS5 Range 1
FREQUENCY RANGE	3.3-3.8 GHz
GAIN	17 dBi (min)
VSWR	1.5 : 1 (typ), 2.0:1 (max)
3 dB BEAMWIDTH	18°(typ) (Azimuth & Elevation)
POLARIZATION	Dual Vertical and Horizontal
CROSS POLARIZATION	-20 dB (max) -25 dB (nom)
PORT TO PORT ISOLATION	25 dB (min)
F/B RATIO	30 dB
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	1W (max)
MECHANICAL	
DIMENSIONS (LxWxD)	305x305x25mm (max)
WEIGHT	1.5 kg (max)
CONNECTOR	2 x SMA Female
RADOME	Plastic, White
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	See page 2
MOUNTING KIT	MT-120018

ENVIRONMENTAL

TEST	STANDARD	DURATION	TEMPERTURE	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	-	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	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

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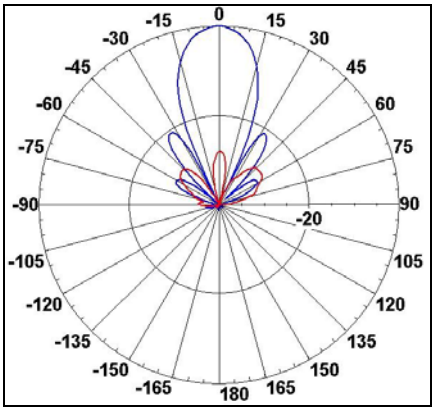
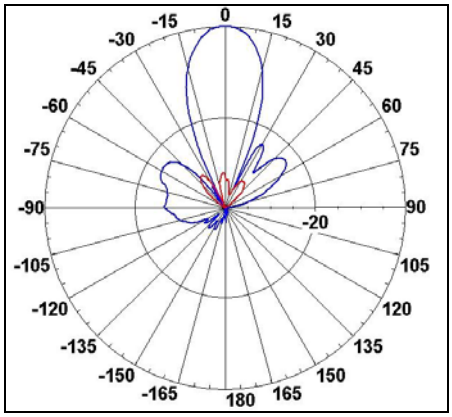
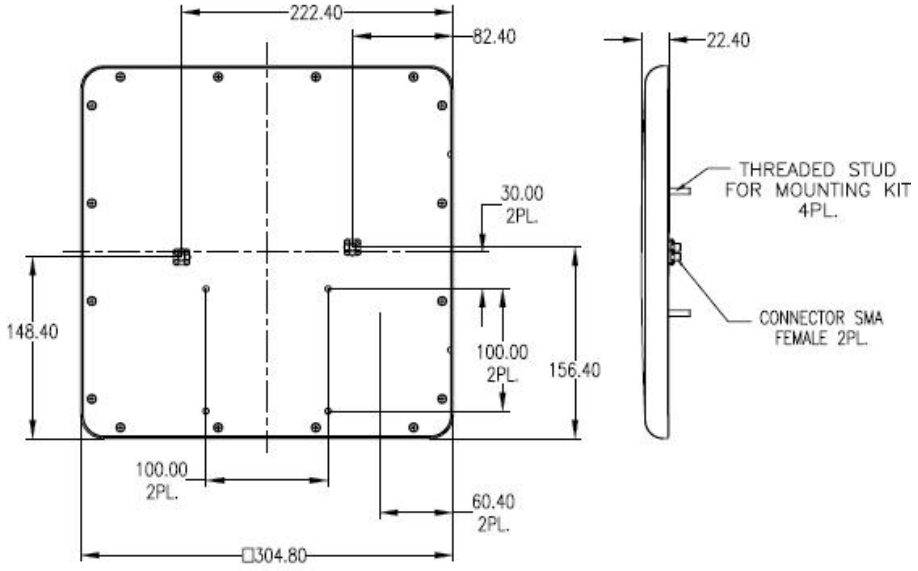
Azimuth Radiation Pattern Midband Freq. 3.5 GHz	Elevation Radiation Pattern Midband Freq. 3.5 GHz





Dimensions [mm]



Existing Antenna Versions

MTI Wireless Edge is certified according to ISO 9001 and ISO 14001.

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