

MT-484033/NV/A

4.9 -5.875 GHz 16.5dBi 60deg Vertical Pol. Base Station Antenna

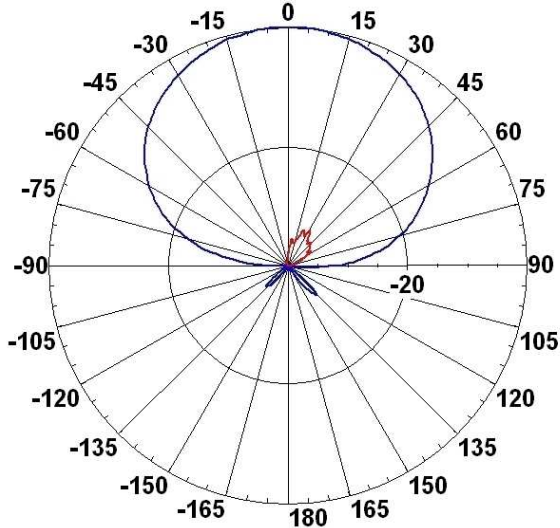


Specifications

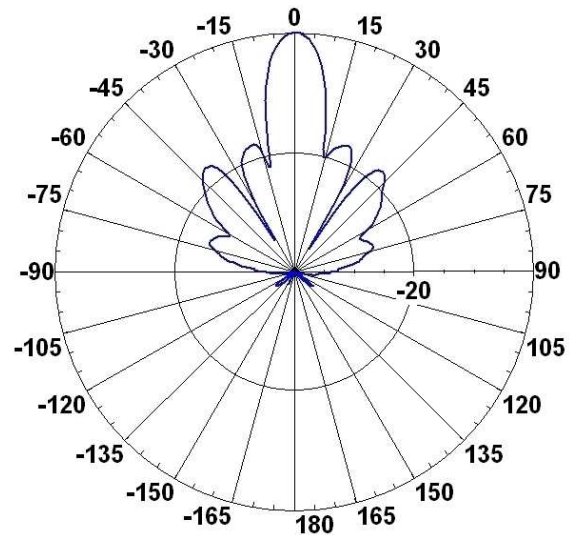
MTI PART NUMBER		MT - 484033/NV/A		
ELECTRICAL				
REGULATORY COMPLIANCE		ETSI EN 302 085 V.1.1.2 (2001-02), RoHS , CE 0682		
FREQUENCY RANGE		4.9 -5.875 GHz		
GAIN		15.5 dBi @ 4.9-5.15GHz, 16 dBi (min)@ 5.15-5.35GHz 16.5 dBi @ 5.47-5.725GHz, 17 dBi (min) @ 5.725-5.875GHz		
VSWR		1.7 : 1 (max)		
12.5dBi Azimuth Beamwidth @ 4.9-5.15 Ghz		60° ± 4°		
13dBi Azimuth Beamwidth @ 5.15-5.875 Ghz		60° ± 4°		
POLARIZATION		Linear Vertical		
ELEVATION BEAMWIDTH		11° (typ)		
AZIMUTH SIDELOBES LEVEL		ETSI EN 302 085 V.1.1.2 (2001-02) CS1-CS3, -25dB @ ± 90°		
ELEVATION SIDELOBES LEVEL		ETSI EN 302 085 V.1.1.2 (2001-02) CS1-CS3, -16dB (max)		
CROSS POLARIZATION		ETSI EN 302 085 V.1.1.2 (2001-02) CS1-CS3, -28dB (max)		
F/B RATIO		ETSI EN 302 085 V.1.1.2 (2001-02) CS1-CS3, -35dB (max)		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6W (max)		
LIGHTNING PROTECTION		DC Grounded		
MECHANICAL				
DIMENSIONS (LxWxD)		350x150x30mm (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-120025		
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 4M5
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M5
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
WIND LOAD SUR. FRONT TH.	-	-	-	15.1 kg
SIDE TH	-	-	-	3 kg

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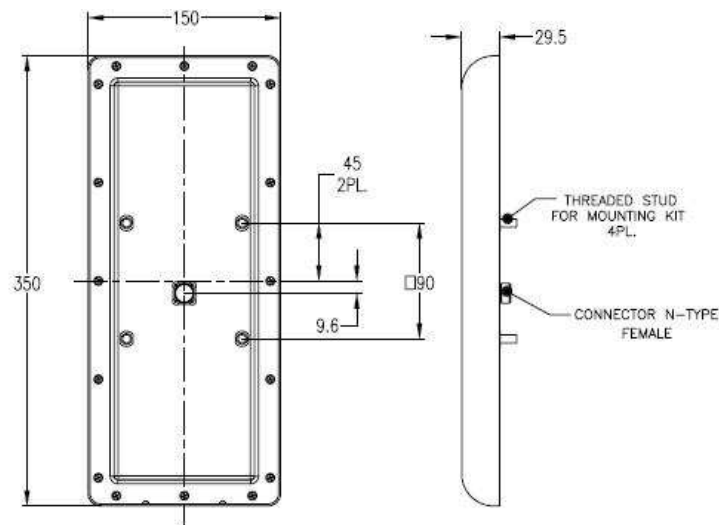
Azimuth Radiation Pattern
Midband Freq. 5.35 GHz



Elevation Radiation Pattern
Midband Freq. 5.35 GHz



Dimensions [mm]



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

WAIVER!

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