

MT-485028/N



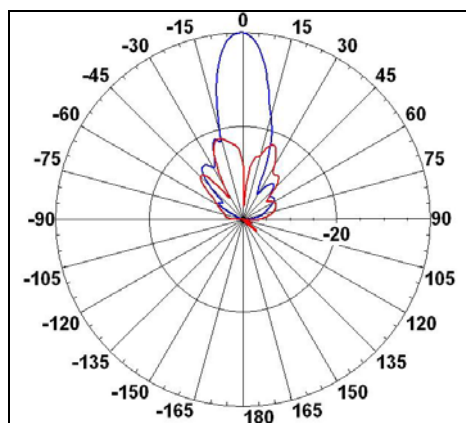
5.15-5.875 GHz 22 dBi Broadband Low-Cost Subscriber Antenna

Specifications

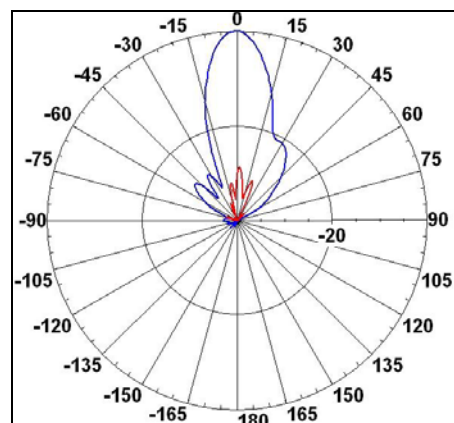
MTI PART NUMBER		MT - 485028/N		
ELECTRICAL				
REGULATORY COMPLIANCE		ETSI EN 302 085 V.1.1.2 (2001-02) Range 1 RoHS, CE 0682		
FREQUENCY RANGE		5.15 – 5.875 GHz		
GAIN		21.5dBi (min) @ 5.15-5.25GHz 22 dBi (min) @ 5.25-5.875GHz		
VSWR		1.9:1 @ 5.15-5.25 GHz 1.7:1 @ 5.25-5.875 GHz		
3 dB BEAMWIDTH	AZ	9°(typ)		
	EL	9°(typ)		
POLARIZATION		Linear Vertical or Horizontal		
SIDELOBES		ETSI EN 302 085 V.1.1.2 (2001-02) TS1-TS3		
CROSS POLARIZATION DISCRIMINATION		-28dB (max)		
CROSS POLARIZATION		ETSI EN 302 085 V.1.1.2 (2001-02) TS1-TS3		
F/B RATIO		-35 dB (max)		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6W (max)		
LIGHTNING PROTECTION		DC Grounded		
MECHANICAL				
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		
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	-	Random4M5
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.	-	-	-	26.8 kg
SIDE TH	-	-	-	1.3 kg

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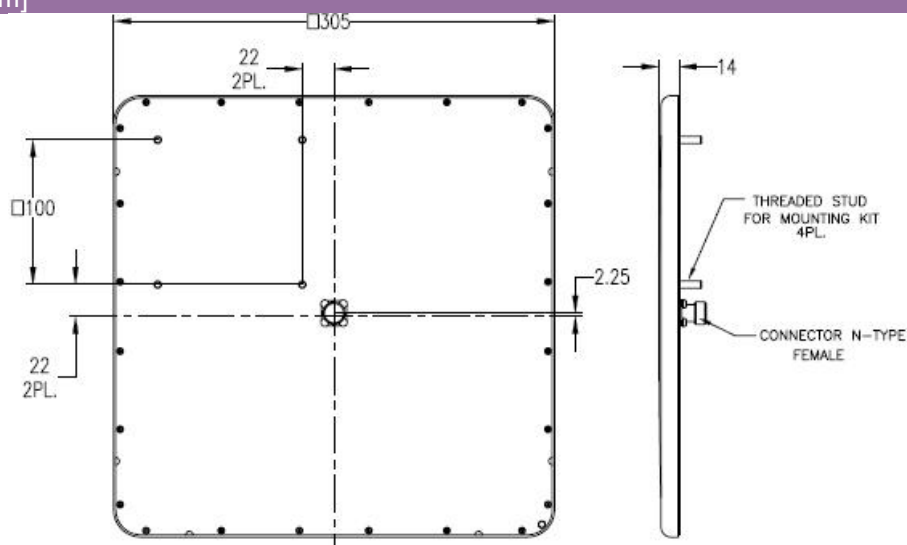
Azimuth Radiation Pattern
Midband Freq. 5.47 GHz



Elevation Radiation Pattern
Midband Freq. 5.47 GHz



Dimensions [mm]



Existing Antenna Versions

MT-485028/S/E	Integrated Antenna Enclosure Version
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MTI Wireless Edge is certified according to ISO 9001 and ISO 14001.

WAIVER!

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