

MT-30117/N



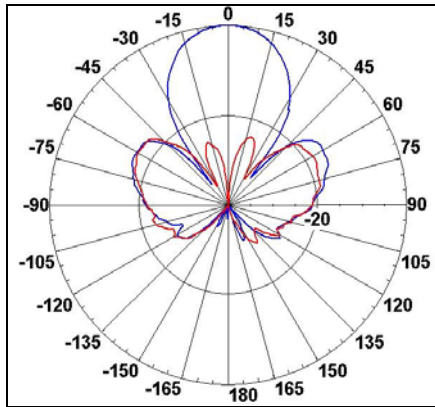
3.3-3.8 GHz 16.5 dBi Subscriber Antenna

Specifications

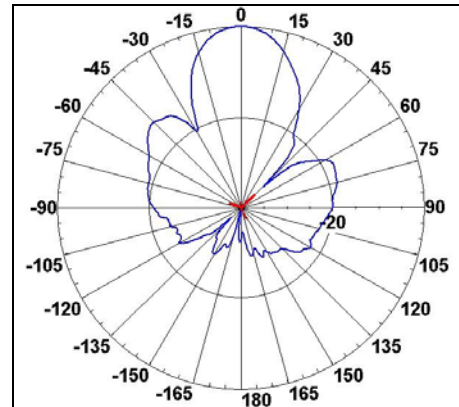
MTI PART NUMBER		MT - 30117/N		
ELECTRICAL				
REGULATORY COMPLIANCE		ETSI EN 302 085 V1.1.2 (2001-02) TS2 Range 1, RoHS, CE 0682		
FREQUENCY RANGE		3.3-3.8 GHz		
GAIN		15.5 dBi (min), 16 dBi (typ) @ 3.3-3.5 GHz 16.5 dBi (min), 17 dBi (typ) @ 3.5-3.7 GHz 15.5 dBi (min), 16 dBi (typ) @ 3.7-3.8 GHz		
VSWR		1.5 : 1 (typ), 1.7:1 (max)		
3 dB BEAMWIDTH AZ/EL		23° (typ)		
POLARIZATION		Linear Vertical or Horizontal		
SIDELOBE LEVEL		AZ	3.3-3.6GHz @ ETSI EN 302 085 V.1.1.2 TS1-TS2 -15 dB (max) 3.6-3.8GHz @ ETSI EN 302 085 V.1.1.2 TS1-TS2 -12 dB (max)	
		EL	ETSI EN 302 085 V.1.1.2 TS1-TS2 -12 dB (max)	
CROSS POLARIZATION AZIMUTH		ETSI EN 302 085 V.1.1.2 TS1-TS2 @ 3.3-3.7GHz -13dB(max) @ 3.7-3.8GHz		
CROSS POLARIZATION ELEVATION		ETSI EN 302 085 V.1.1.2 TS1-TS5		
F/B RATIO		ETSI EN 302 085 V.1.1.2 TS1-TS5 -27dB (max)		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6W (max)		
LIGHTNING PROTECTION		DC Grounded		
MECHANICAL				
DIMENSIONS (LxWxD)		190x190x30.5mm (max)		
WEIGHT		0.4 kg (max)		
CONNECTOR		N-Type Female		
RADOME		Plastic		
BASE PLATE		Aluminum with chemical conversion coating		
OUTLINE DRAWING		See page 2		
MOUNTING KIT		MT-120018/A		
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	-	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
WIND LOAD SUR. FRONT TH.	-	-	-	10.6 kg
SIDE	-	-	-	1.6 kg

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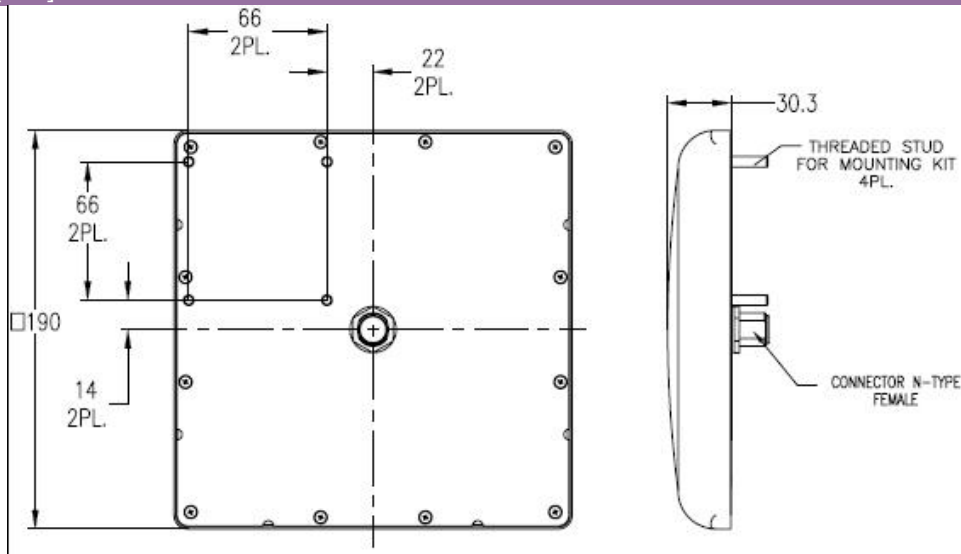
Azimuth Radiation Pattern
 Midband Freq. 3.5 GHz



Elevation Radiation Pattern
 Midband Freq. 3.5 GHz



Dimensions [mm]



Existing Antenna Versions

MT-30117/S/R	Integrated Antenna for half foot Enclosure

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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