

2.4 GHz FLAT PANEL SUBSCRIBER ANTENNA

MTI Part number		MT- 345010/N		
REGULATORY COMPLIANCE		ETSI EN 301-525 V 1.1.1(2000-06) TS1-TS3		
1. ELECTRICAL				
FREQUENCY RANGE		2.15-2.7 GHz		
GAIN		18 dBi (min)		
VSWR		1.5 : 1 (max)		
3 dB BEAMWIDTH		17		
POLARIZATION		Linear (Vertical or Horizontal)		
SIDE LOBE LEVEL		ETSI EN 301-525 V 1.1.1(2000-06) TS1-TS3		
CROSS POLARIZATION		ETSI EN 301-525 V 1.1.1(2000-06) TS1-TS3 - 20 dB (max)		
CROSS POL DISCRIMINATION		- 30 dB (max)		
F / B RATIO		- 30 dB (max)		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6 W (max)		
LIGHTNING PROTECTION		DC Grounded		
2. MECHANICAL				
DIMENSIONS (LxWxD)		450x 450 X 36 mm (max)		
WEIGHT		2 Kg (max)		
CONNECTOR		N type		
RADOME		Plastic		
BASE PLATE		Aluminum with chemical conversion coating		
OUTLINE DRAWING		RD411356002		
MOUNTING KIT		MT-120003/A		
ENVIROMENTAL				
TEST	STANDARD	DURATION	TEMPERTAURE	NOTES
LOW TEMPERTAURE	IEC 68-2-1	72 h	-55C	-
HIGH TEMPERTAURE	IEC 68-2-2	72 h	+71C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-45 C + 70C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random 4M3
SHOCK	IEC 60721-3-4	-	-	4M3
MECHANICAL				
HUMIDITY	ESTI EN300-2-4 T4.1 E	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
OPERATION

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220 Km/h
160Km/h