



MTI MT006D12VH/RB/A UHF TVWS Flat Panel Antenna 470-602 MHz, 12 dBi

MFR PART NUMBER	MT006D12VH/RB/A
Regulatory Compliance	RoHS , CE 0682

1. ELECTRICAL

Frequency	470-602 MHz
Gain	12 dBi +/- 0.5dB
VSWR	1.7:1 (typ) , 2:1 (max)
Polarization	Dual Linear (V/H or Dual Slant/45-degree)
Azimuth/ Elevation 3 dB Beam width	38° (typ)
Side lobe Level	15 dB (typ)
Back Lobe Level	-18 dB (min)
Port to Port Isolation	30 dB
Xpol Level	25 dB
Input Impedance	50 Ohms
Power handling	5W CW
Lightning Protection	DC ground

2. MECHANICAL

Dimensions - H x W x D	60 x 60 x 11 cm (typ)
Connector	2x N-Type female
Weight	6 Kg (max)
Radome	Plastic
Back Plate	Aluminum with chemical conversion coating
Outline Drawing	RD44574900C

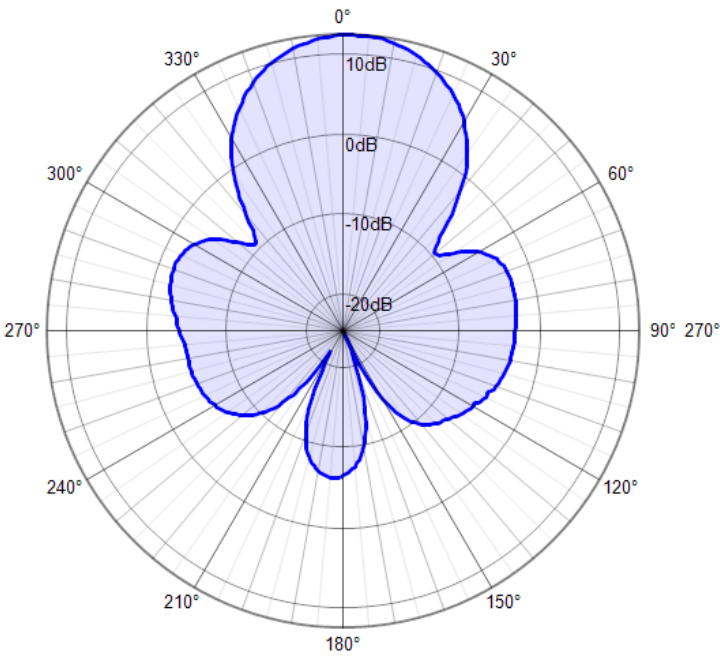
3. MOUNTING KIT	MT-120019/B
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4. ENVIRONMENTAL

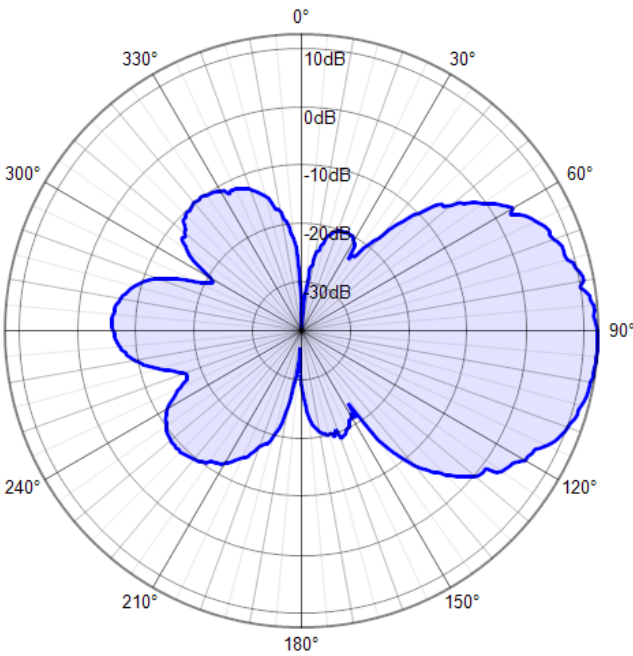
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
Low Temperature	IEC 68-2-1	72 h	-45°C	-
High Temperature	IEC 68-2-2	72 h	+71°C	-
Temp. Cycling	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis	-	Random 4M5
Shock Mechanical	IEC 60721-3-4	-	-	4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h	-	95%
Water Tightness	IEC 529	-	-	IP67
Solar Radiation	ASTM G53	1000 h	-	-
Salt Spray	IEC 68-2-11 Ka	500 h	-	-
Ice And Snow	-	-	-	25mm Radial
Wind Speed: Survival Operation	- -	- -		220 km/h 160 km/
Wind Load (Survival): Front Thrust Side Thrust	- -	- -	- -	123.4 kg 21.3 kg

Antenna Patterns

Horizontal Plane



Vertical Plane



Name:	MT006D12VH
Gain:	12.3 dBi at 550 MHz
Polarization:	V/V