

## MA-WA46-1X

### 450-470 MHz In Building Panel Antenna

MARS 450 - 470 MHz Panel Antenna provides a cost effective solution for In Building PMR applications.

Additional Features:

- Excellent and stable performance
- Small and aesthetic profile
- UV protected antenna radome
- Suitable for both indoor and outdoor installations
- DC grounded
- Wall mount



### Specifications

#### Electrical

Frequency range	450-470 MHz
GAIN,typ.	4 dBi
VSWR,	typ 1.5:1, max 1.7 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	100°
3 dB Beam-Width, E-Plane, typ.	110°
Input power, max	20 Watt
Input Impedance	50 Ohm

#### Mechanical

Dimensions (HxWxD)	231 x 215 x 31 mm (8.9" x 8.5" x 1.1")
Weight	840 gr.
Connector	See Ordering Options
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Plastic
Mount	Wall mount

#### Environmental

Operating Temperature Range	-40°C to +75°C
Vibration	According to IEC 60721-3-4
Wind Load	N/A
Flammability	UL94
Water Proofing	IP-65, (IP67 for Outdoor version)
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)

### Ordering Options

MA-WA46-1X	Antenna with N-Type Female Connector
MA-WA46-1XC	Antenna with N-Type Female + Cable RG58, ~25cm
MA-WA46-1XS	Antenna Outdoor with SMA Female Connector

MARS Antennas & RF Systems proprietary information

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