

MA-WC7927-DS12T

790 – 960 MHz & 1710 – 2690 MHz

Multi/Wide-Band Dual Slant Directional Antenna for Stadium Coverage

MARS DUAL BAND and DUAL Slant antenna specially **designed for arenas and stadiums** that have to supply high capacity and reliable wireless data.

The antenna is PIM certified, thus making it suitable for all multi-carrier systems providing solutions for services such as LTE, Cellular (2G, 2.5G and 3G), Wi-Fi and WiMAX applications

Additional Features:

- Efficient and stable performance with 9.5-12 dBi of gain.
- UV protected radome suitable for harsh environment installations
- Durable construction
- Easy mounting allowing Az/EI adjustment
- Aesthetic design
- Weatherized and durable
- Wind survival rating of 200 km/h

Available in iBwave database



Specifications

Electrical

Frequency range	790 – 960 MHz & 1710 – 2690 MHz
Gain	9.5 – 12 dBi
VSWR, max.	1.7 : 1
Polarization Dual Slant	±45°
EI. Downtilt Range	0° fixed
Port to Port Isolation, min.	Intra-Band Inter-Band
	-26 dB -50 dB
Side Lobes, min.	-20 dB
Cross-polar Discrimination at 0°, min.	-20 dB
3dB Beam-Width, Azimuth	45° – 55°
3dB Beam-Width, Elevation	45° – 55°
Front to Back Ratio	35 – 41 dB
PIM 3rd order (2 x 43 dBm carrier), min.	-150 dBc
Input power, max.	100 Watt
Impedance	50 Ohm

Mechanical

Dimensions (HxWxD)	811 x 611 x 197 mm (32" x 24" x 7.75")
Connector	2 x 7-16 DIM Female
Weight.	10 kg
Mounting	See Ordering Options
Radome	UV Protected Plastic
Back Plane	Aluminum protected through chemical passivation.

Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h (Survival)
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11

Ordering Options

MA-WC7927-DS12T	Antenna Suited for MNT-25 (optional tilt mount)
MA-WC7927-DS12TB	Antenna with MNT-25 mount

MARS Antennas & RF Systems proprietary information

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