

## MA-WA820-DP8

### 698 – 960 MHz Dual-Pol Directional Antenna

MARS Dual Polarized Directional Antenna covers LTE bands 5, 6, 8, 12-14, 17-20, 26-29 & 44, GSM 900 and more.

The antenna is aesthetic and has an obtrusive profile that blends easily with any environment.

The antenna is easy-installed and is highly recommended as an outstanding logistic solution for Outdoor installations as well as In-Building Installations.



## Specifications

### Electrical

Frequency range	698 – 960 MHz
Gain, typ.	8 dBi
VSWR	typ. 1.5 : 1 max. 2.0 : 1
Polarization	Dual Pol Vertical & Horizontal
3dB Beam-Width, Azimuth, typ.	65°
3dB Beam-Width, Elevation, typ.	65°
Port to Port Isolation, min.	-25 dB
Front to Back Ratio, min	-15 dB
PIM, typ.	-140 dBc
Input power, max.	50 Watt
Impedance	50 Ohm

### Mechanical

Dimensions (HxWxD)	310 x 310 x 126 mm (12.2" x 12.2" x 4.96")
Connector	2 x N-type Female
Weight	~1.3 kg
Mounting	See Ordering Options
Radome	UV Protected Plastic
Back Plane	Aluminum protected through chemical passivation.

### Environmental

Operating Temperature Range	-55°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-WA820-DP8	Antenna 2 x N-Type Female connectors Suited for MNT-22 mount
MA-WA820-DP8B	Antenna 2 x N-Type Female connectors with MNT-22 mount

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