

MA-WA6927DB-DP8

617 – 960 MHz & 1695 – 2700 MHz Dual Band & Dual Pol Directional Antenna

MARS Dual band & Dual Polarized Antenna covers all the bands for LTE including **Band 71** “600 MHz spectrum”, 3G, 2.5G and 2G cellular, as well as ISM, WLAN, Bluetooth, GSM 900 and GSM 1900.

The antenna is aesthetic small and has unobtrusive 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.



Available in iBwave database

Specifications

Electrical

Frequency range	617 – 960 MHz	1695 – 2300 MHz	2300 – 2700 MHz
Gain, typ.	8 dBi	9 dBi	11 dBi
VSWR, max.	2.2 : 1	2.0 : 1	2.0 : 1
Polarization	Vertical & Horizontal Dual-Pol Dual-Slant $\pm 45^\circ$ (diamond shape)		
Port to Port Isolation, min.	-30 dB	-30 dB	-30 dB
3dB Beam-Width, E-plane, typ.	70°	45°	35°
3dB Beam-Width, H-plane, typ.	75°	75°	45°
Front to Back Ratio, min	-20 dB	-22 dB	-25 dB
PIM, typ.	-150 dBc		
Input power, max.	50 Watt		
Impedance	50 Ohm		
Lightning Protection	DC Grounded		

Mechanical

Dimensions (HxWxD)	310 x 310 x 126 mm (12.2" x 12.2" x 4.96")
Connector	See Ordering Options
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-65
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11

Ordering Options

MA-WA6927DB-DP8	Antenna 2 x N-Type Female connectors Suited for MNT-22 mount
MA-WA6927DB-DP8D43	Antenna 2 x 4.3-10 Female connectors Suited for MNT-22 mount
MA-WA6927DB-DP8B	Antenna 2 x N-Type Female connectors with MNT-22 mount
MA-WA6927DB-DP8D43B	Antenna 2 x 4.3-10 Female connectors with MNT-22 mount

MARS Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com