

MA-WA27TB-DP8

698-960 MHz & 1695-2700 MHz & 5100-5900 MHz, Triple Band & Dual Pol Directional Antenna

MARS Triple band & Dual Polarized Antenna covers all the bands for LTE, 3G, 2.5G and 2G cellular, as well as ISM, WLAN, Bluetooth, GSM 900, GSM 1900 and WIFI.

2 RF Connectors for 698-2700 MHz (Vertical and Horizontal)
 and
 2 RF Connectors for 5100-5900 MHz (Vertical and Horizontal)

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	698-960 MHz	1695-2300 MHz	2300-2700 MHz	5100-5900 MHz
Gain, typ.	7.5 dBi	8 dBi	10 dBi	9 dBi
VSWR, max.	2.0 : 1	2.0 : 1	2.0 : 1	2.0 : 1
Polarization	Dual-Pol Vertical & Horizontal			
Port to Port Isolation, min.	-35 dB	-29 dB	-29 dB	-40 dB
3dB Beam-Width, E-plane, typ.	70°	50°	40°	60°
3dB Beam-Width, H-plane, typ.	75°	75°	54°	60°
Front to Back Ratio, min	-20 dB	-22 dB	-25 dB	-30 dB
PIM, typ.	-150 dBc			
Input power, max.	50 Watt			
Impedance	50 Ohm			
Lightning Protection	DC Grounded			

Mechanical

Dimensions (HxWxD)	400 x 308 x 126 mm (15.74" x 12.12" x 4.96")
Connector	See Ordering Options
Weight	2 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-WA27TB-DP8	Antenna 4 x N-Type Female connectors Suited for MNT-22 mount
MA-WA27TB-DP8DIN	Antenna 4 x 4.3-10 Female connectors Suited for MNT-22 mount
MA-WA27TB-DP8B	Antenna 4 x N-Type Female connectors with MNT-22 mount
MA-WA27TB-DP8DINB	Antenna 4 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 5500661 Fax: +972 3 5500677 e-mail: mars@marant.co.il web: www.mars-antennas.com

(ES) Equipements Scientifiques SA - Département RF & Hyperfréquence - 127 rue de Buzenval BP 26 - 92380 Garches
 Tél. 01 47 95 99 60 - Fax. 01 47 01 16 22 - e-mail: hyper@es-france.com - Site Web: www.es-france.com