

## MA-CQ27-1X

### 380 MHz-6 GHz Multi Band Omni Antenna

MARS Multi Band Omni Antenna covers continuously all the bands from 380 to 960 MHz and for 4G, 3G, 2.5G and 2G cellular, as well as ISM, WLAN, UNII, Bluetooth, Wi-Fi, WMTS IMT-MC450 and LTE.

The antenna is aesthetic 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 fast deployments and "In-Building" installations. The antenna is available also for outdoor applications.

The antenna is PIM certified thus making it suitable for all multi-carrier systems.



Available in iBwave database

### Specifications

#### Electrical

Standard	TETRA, IMT-MC450, WMTS, DVB-T LTE	SMR, AMPS, CDMA, TDMA, GSM 900	WMTS, PCS, DECT, GSM 1900, UMTS, AWS-3	Bluetooth, ISM, WLAN	WLL, Broadband access Licensed Band	Homeland Security, UNII, WLL, H-LAN, Wi-Fi
Frequency range	380-806 MHz	806-960 MHz	1.395-2.3 GHz	2.3-2.7 GHz	3.3-3.8 GHz	4.9-6 GHz
GAIN, typ.	1 (2*)	4	5	6	6	6
VSWR, max.	3:1 (2.5:1*)	2 : 1	2 : 1	2.6 : 1	1.8 : 1	1.6 : 1
Polarization	Linear, Vertical					
Input power, max	50 Watt					
Input Impedance	50 Ohm					
PIM, 3 <sup>rd</sup> order, 2X20W (optional)	<-150 dBc					

#### Mechanical

Dimensions(HxWxD)	Base Diameter - 275 mm (10.8"), Height - 187 mm (7.36")
Weight	550 gr.
Connector	See Ordering Options
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Water Proofing	IP-67 (for outdoor use only)
Mount	See ordering options

#### Environmental

Operating Temp. Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

### Ordering Options

MA-CQ27-1X	N-Type	Antenna Indoor ceiling mounting
MA-CQ27-1XT	N-Type	Antenna Indoor with DC Return Option, ceiling mounting
MA-CQ27-1XR	N-Type	Antenna Outdoor suited for Mount
MA-CQ27-1XRS	N-Type	Antenna Outdoor for Marine Environment, without Mount, ceiling mounting
MA-CQ27-1XRSB	N-Type	Antenna Outdoor for Marine Environment with Mount
MA-CQ27-1XRPDIN		Antenna Outdoor PIM Certified with 4.3-10 Female connector, suited for Mount

(\*) Specifications for Ground Plate of 40 cm and up, or above a metal surface, with a spacing of 35-45 mm.

## Patent Pending

Patterns are available on our website.

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