

## 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	LTE 71	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	380-617 MHz	617-698 MHz	698-960 MHz	1.395-2.3 GHz	2.3-2.7 GHz	3.3-3.8 GHz	4.9-6 GHz
GAIN, typ.	1 (2*)	1 (2*)	3 (3.5*)	5	6	6	6
VSWR, max.	3 : 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	Ceiling Mounting

### 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	Antenna Indoor
MA-CQ27-1XT	Antenna Indoor with DC Return Option
MA-CQ27-1XR	Antenna Outdoor
MA-CQ27-1XDIN	Antenna Indoor with 4.3-10 Female connector
MA-CQ27-1XRDIN	Antenna Outdoor with 4.3-10 Female connector

(\*) 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

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