

## MA-CQ29-1X

### 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 2G, 2.5G and 3G cellular, as well as ISM, WLAN, UNII, Bluetooth, Wi-Fi, WMTS IMT-MC450.

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.



### Specifications

#### Electrical

Standard	TETRA, IMT-MC450, WMTS, DVB-T	SMR, AMPS, CDMA, TDMA, GSM 900	WMTS, PCS, DECT, GSM 1900, UMTS	Bluetooth, ISM, WLAN	WLL, Broad-band access Licensed Band	Homeland Security, UNII, WLL, H-LAN, Wi-Fi
Frequency range	380-806 MHz	806-960 MHz	1.7-2.5 GHz	2.5-2.7 GHz	3.3-3.7 GHz	4.9-6 GHz
GAIN, typ.	1 (2*)	4	5	5	6	6
VSWR, max.	3:1 (2.5:1*)	2 : 1	2 : 1	2.5 : 1	1.6 : 1	1.6 : 1
Polarization	Linear, Vertical					
Input power, max.	50 Watt					
PIM, 3rd order, 2X20W (option)	<-155 dBc					
Input Impedance	50 Ohm					

#### Mechanical

Dimensions (HxWxD)	Base Diameter - 275 mm (10.8"), Height - 187 mm (7.36")
Weight	550 gr.
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	Ceiling Mounting

#### Environmental

Operating Temp. Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Water Proofing	IP-67 (for outdoor use only)
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

### Ordering Options

MA-CQ29-1X	Antenna Indoor
MA-CQ29-1XT	Antenna Indoor with DC Return Option
MA-CQ29-1XR	Antenna Outdoor
MA-CQ29-1XP	Antenna Indoor PIM Certified
MA-CQ29-1XTP	Antenna Indoor with DC Return Option PIM Certified
MA-CQ29-1XRP	Antenna Outdoor PIM Certified

(\*) 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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