

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 2G, 2.5G and 3G 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.



Specifications

Electrical

Standard	TETRA, IMT-MC450, WMTS, DVB-T LTE	SMR, AMPS, CDMA, TDMA, GSM 900	WMTS, PCS, DECT, GSM 1900, UMTS	Bluetooth, ISM, WLAN	WLL, Broadband access Licensed Band	Homeland Security, UNII, WLL, H-LAN, Wi-Fi
Frequency range	380-806 MHz	806-960 MHz	1.395-1.432 1.71-2.17 GHz	2.3-2.7 GHz	3.3-3.7 GHz	4.9-6 GHz
GAIN, typ.	1 (2*)	4	5	6	6	6
VSWR, max.	3:1 (2.5:1*)	2 : 1	1.9 : 1	1.9 : 1	1.9 : 1	1.9 : 1
Polarization	Linear, Vertical					
Input power, max	50 Watt					
Input Impedance	50 Ohm					
PIM, 3 rd order, 2X20W (optional)	<-155 dBc					

Mechanical

Dimensions(HxWxD)	Base Diameter - 275 mm, Height - 187 mm
Weight	550 gr.
Connector	N-Type, Female
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-CQ27-1XP	Antenna Indoor PIM certified
MA-CQ27-1XTP	Antenna Indoor with DC Return Option PIM certified
MA-CQ27-1XRP	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

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.

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