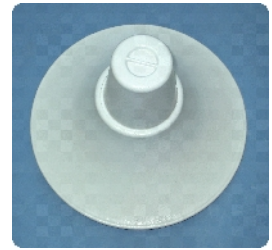


380 MHz – 6 GHz Multi Band Omni Antenna

MA-CQ27-1X

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, UNIL, 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.



Specifications:

Electrical

| | | | | |
|----------------------|--------------------------------|----------------------------|-----------------------------|----------------------------|
| Standard | TETRA,IMT-MC450,WMTS,DVB-T,LTE | SMR,AMPS,CDMA,TDMA,GSM 900 | WMTS,PCS,DECT,GSM 1900,UMTS | WMTS,PCS,DECT,GSM1900,UMTS |
| Frequency range | 380 - 806 MHz | 806 - 960 MHz | 1.395 - 1.432 GHz | 1.71 - 2.17 GHz |
| Gain,typ. | 1 dBi (2*) | 4 dBi | 5 dBi | 5 dBi |
| VSWR, max. | 3:1 (2.5:1*) | 2:1 | 1.9:1 | 1.9:1 |
| Polarization | Linear Vertical | | | |
| Input power, max | 50 Watt | | | |
| Input Impedance | 50 Ohm | | | |
| Lightning Protection | DC Grounded | | | |

Mechanical

| | |
|------------|--|
| Dimensions | Base Diameter – 275 mm, Height – 200 mm |
| Weight | 250 gr. |
| Connector | N-Type,Female |
| Back Plane | Aluminum; protected through chemical passivation |
| Radome | UV Protected Polycarbonate |
| Mount | Ceiling Mounting |

Environmental

| | |
|-----------------------------|---|
| Operating Temperature 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) |
| Service Life | >10 years |

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

Ordering Options

| | |
|--------------------------------------|--------------|
| Antenna Indoor (Wall Mountable) | MA-CQ27-1X |
| Antenna Outdoor | MA-CQ27-1X R |
| Antenna Indoor with DC Return Option | MA-CQ27-1X T |

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 and are available in the ["Policies"](#) section.