

## GSM Dual Band Antenna

### MA-CJ80-14

MARS GSM Dual Band Antenna is a GSM Picocell antenna designed for in building coverage. The antenna is aesthetic, small and has unobtrusive profile that blends easily with any environment.



#### Specifications:

#### Electrical

Standard	GSM 900	GSM 1900
Frequency range	806 - 960 MHz	1.71 - 2.17 GHz
Gain, typ.	8 dBi	8 dBi
VSWR, max.	1.5:1	1.5:1
3 dB Beam-Width, H-Plane, typ.	85 °	70 °
3 dB Beam-Width, E-Plane, typ.	60 °	55 °
Side Lobes, min.	-20 dB	-20 dB
Polarization	Linear Vertical	
Cross Polarization, min.	-20 dB	
Input power, max	50 Watt	
Input Impedance	50 Ohm	
Lightning Protection	DC Grounded	

#### Mechanical

Dimensions (HxWxD)	285 x 180 x 67 mm (11.2" Å—7.1" Å—2.6")
Weight	0.5 kg
Connector	N-Type, Female
Back Plane	Aluminum, Coated
Radome	UV Protected, Plastic
Mount	See ordering Options

#### Environmental

Operating Temperature Range	- 40°C to + 65°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Water Proofing	IP-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Ice and Snow	25mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	>10 years

#### Ordering Options

Antenna with integral Pole Mount includes stainless steel brackets	MA-CJ80-14 PM
Antenna Suited for MNT-22 (optional wall/pole adjustable mount)	MA-CJ80-14 MNT

Specifications subject to change without notice