

## MA-CL67-15

### Multi Band Panel Antenna

Up-To-Date Multi Band Panel Antenna covers all the bands for 2G, 2.5G and 3G cellular, as well as ISM, WLAN and Bluetooth.

The antenna is aesthetic, small and has unobtrusive profile that blends easily with any environment.

The antenna can be easily used either for Indoor or Outdoor Applications and features different mounting options.

Antenna is designed to include DC Return Option which is available on request.



### Specifications

#### Electrical

Standard	SMR, AMPS, CDMA, TDMA, GSM 900	PCS, DECT, GSM 1900, UMTS	Bluetooth, ISM, WLAN
Frequency range	806-960 MHz	1.71-2.17 GHz	2.2-2.7 GHz
GAIN, typ.	8.5 dBi	7.5-10 dBi	5-6.5 dBi
VSWR, max.	2 : 1	1.7 : 1	1.9 : 1 @ 2.2-2.5 GHz 2.1 : 1 @ 2.5-2.7 GHz
3 dB Beam-Width, H-Plane, typ.	75°	60°	50°
3 dB Beam-Width, E-Plane, typ.	65°	45°	25°
Polarization	Linear, Vertical		
Input power, max.	50 Watt		
Input Impedance	50 Ohm		

#### Mechanical

Dimensions (HxWxD)	231 x 215 x 37.5 mm (9.1" x 8.5" x 1.5")
Weight	500 gr.
Connector	N-Type, Female at bottom (can be installed also upside down)
Back Plane	UV Protected Plastic (metal reinforced from the inside)
Radome	UV Protected Polycarbonate
Mount	See Ordering Options

#### Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 km/h (survival)
Flammability	UL94
Water Proofing	IP-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25 mm radial (survival)

### Ordering Options

Application	Wall Mountable	Az/EI Adjustable MNT-22 Mount
Without DC Return	MA-CL67-15	MA-CL67-15B
With DC Return	MA-CL67-15T	MA-CL67-15TB

Patterns are available on our website

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3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com