

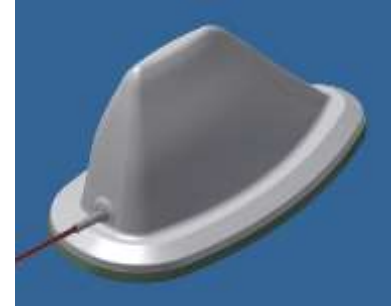
MA-VMB-5

698 MHz–6.5 GHz Multi Band Blade Antenna for Mobile Applications

MARS Blade Antenna is a ruggedized, aerodynamic antenna, for use in mobile applications such as trains, helicopters, buses or cars.

Antenna comes in two versions:

- Fixed Mount (Roof top)
- Magnetic Mount



Specifications

Electrical

| Standard | LTE | SMR, AMPS, CDMA, TDMA, GSM 900 | PCS, DECT, GSM 1900, UMTS | Bluetooth, ISM, WLAN | WLL | UNII, WLL, H-LAN, Wi-Fi |
|------------------|------------------|--------------------------------|---------------------------|----------------------|-------------|-------------------------|
| Frequency range | 698-806 MHz | 806-960 MHz | 1.71-2.17 GHz | 2.3-2.7 GHz | 3.3-3.8 GHz | 4.9-6.5 GHz |
| GAIN, typ. | 2dBi | 2dBi | 3dBi | 4dBi | 4dBi | 6dBi |
| VSWR, max. | 2 : 1 | | | | | |
| Polarization | Linear, Vertical | | | | | |
| Pattern | Omni Directional | | | | | |
| Input power, max | 5 Watt | | | | | |
| Input Impedance | 50 Ohm | | | | | |

Mechanical

| | |
|--------------------|---|
| Dimensions (LxWxH) | 169 x 85 x 88 mm (6.6" x 3.3" x 3.4") |
| Weight | 150 gr. |
| Connector | See Ordering Information |
| Back Plane | Aluminum protected through chemical passivation |
| Radome | UV Protected Polycarbonate |
| Mount | See Ordering Information |

Environmental

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

Ordering Options

| Model No. | Application / Mount | Connector |
|-----------|------------------------|-------------------------------|
| MA-VMB-5M | Magnetic Mount | Pigtail Side with SMA, Female |
| MA-VMB-5F | Fixed Mount (Roof Top) | N-Type, Female |

Mars Antennas & RF Systems proprietary information

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