



MEA-1621-AM

IRIDIUM CERTIFIED PASSIVE ANTENNA

Part #: 189-00067-01

Description

The MEA-1621-AM is an external antenna designed for the Iridium Network and is Iridium Certified. The antenna provides exceptional pattern control, polarization purity and high efficiency. It offers excellent performance at low orbit and a sleek, low profile design with adhesive mounting, featuring an integrated SMA connector and is rated IP-67 when mounted and unmounted. It can be used to boost the performance of the Iridium handsets among other uses. This low profile antenna is a magnet mount antenna with rugged ABS plastic housing and is ideal for the most demanding environmental challenges. The MEA-1621-AM provides outstanding performance for any telematics and fleet management application.

Electrical Specifications

| Parameter | Specification |
|-------------------|---------------|
| Frequency Range | 1616-1627 MHz |
| Bands | 1621 MHz |
| Return Loss | -18.8 dB |
| VSWR | 1.2:1 |
| Efficiency | 76% |
| Peak Gain | 4.5 dBiC |
| Average Gain | -1.1 dB |
| Impedance | 50 Ω |
| Axial Ratio | ≤ 3 dB |
| Radiation Pattern | Hemispherical |
| Polarization | RHCP |

Mechanical Specification

| Parameter | Specification |
|-----------------------|-------------------|
| Antenna Dimensions | 80 x 76 x 16 mm |
| Operating Temperature | -40°C to 85°C |
| Mounting Type | Adhesive Mount |
| Random Type | ABS |
| Random Color | Black |
| Antenna Base | ABS |
| Connector Type | SMA-Male Standard |
| Cable Length | 150 cm |
| Cable Type | LM4100 cable |
| Substance Compliance | RoHS |
| Certificates | Iridium Certified |



Features

- Optimized for Iridium Network
- Very low axial ratio
- Excellent performance at low orbit
- Easy mounting
- Rugged housing

Applications

- Vehicle and fleet tracking
- Military & security
- Asset tracking
- Iridium (SBD) Short Burst Data
- Oil & gas industries
- Navigation devices
- Mining equipment
- LBS & M2M applications
- Handheld devices
- Law enforcement



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