



VIC100 GPS Antenna for Timing and Synchronization

Matsushita Electric Works (MEW) has been supplying the VIC100 GPS antenna to provide accurate timing and synchronization reference to wireless telecommunication industry for many years. The MEW VIC100 antenna features excellent filtering and immunity to noise interference as well as improved lightning protection. High reliability of this antenna has been proven by a large number of field installations and very low reported failure rate.

Specifications

Electrical

- Frequency Range: 1575.42 MHz +/- 1.023 MHz (typical)
- Polarization: Right-hand circular
- Output Impedance: 50 ohm (typical)
- Total Gain: 38 dBi (typical)
- Attenuation: 60 dB (typ) at 1575.42 +/- 50 MHz
- Noise Figure: < 2.2 dB (1.8 dB typical)
- VSWR: < 2.5 (1.5 typical)

Power Specifications

- Operating Voltage: 5VDC +/- 0.5VDC
- Operating Current: 27 mA (20 mA typical)

Physical

- Dimensions: 90 mm D x 128 mm H
- Weight: 187 g
- Material: Radome: UV-stabilized polycarbonate
Bottom housing: Die-cast aluminum
- Connector: N-type or TNC

Environmental

- Operating Temperature: - 40 to 85 degree C
- Storage Temperature: - 45 to 90 degree C
- Lightning Protection (option): IEC61000-4-5 Level 4

Features

- High reliability
- Environmentally durable cover
- Excellent filtering to noise
- Improved lightning protection
IEC61000-4-5 Level 4 (option)
- High gain, low noise
Low gain type available

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