



Phoenix 4G/3G/2G Cellular MIMO and GPS/GNSS Adhesive Mount Antenna

Description

As part of our “Phoenix” series, we are pleased to offer the High Performance Cellular/LTE MIMO GNSS Adhesive Mount Antenna (2J6941PGFa). Designed for cellular LTE and GNSS navigation, this antenna is the perfect solution for the rapidly growing needs of reliable communication and precise navigation in automated consumer and commercial markets.

Cable 1 & 2 are dedicated for 4G LTE/3G/2G cellular voice and data communication with reliability, high data throughput, quality, and speed. It's omni-directional radiation pattern gives this dual antenna 360-degree signal strength. By adding dual cellular capabilities, the antenna can consistently search and pair the strongest signal to assure uninterrupted connectivity regardless of the location and angle. Backwards compatible with existing LTE cellular networks make this antenna a cost-effective solution for existing and future LPWA, IoT and MIMO applications.

Precision and reliability are a priority when it comes to navigation. Cable 3 is designed with superior quality for GNSS navigation applications that operate within the GPS, QZSS, Galileo and Glonass standards. This active GNSS antenna can be used for both receiving and transmitting applications operating within 1575 and 1602 MHz frequencies. Designed with hemispherical radiation pattern, RHCP and pre-filter, this antenna offers an active gain of 28 dB with uninterrupted connectivity.

Standards 2G,3G and 4G

Frequency 698-960, 1710-2170, 2500-2700

VSWR ~2.2:1, ~1.9:1, ~1.3:1

Efficiency (%) ~50.7, ~50.8, ~60.4

Peak Gain (dBi) ~3.6, ~5.5, ~6.0

Impedance (Ohm) 50

Polarisation Linear

Max. Input Power (W) 25

Standards 2G,3G and 4G

Frequency 698-960, 1710-2170, 2500-2700

VSWR ~2.2:1, ~1.8:1, ~1.3:1

Efficiency (%) ~50.3, ~55.3, ~61.5

Peak Gain (dBi) ~2.7, ~5.2, ~6.1

Impedance (Ohm) 50

Polarisation Linear

Max. Input Power (W) 25

Standards GPS/QZSS/Galileo/GLONASS

Frequency 1575.42, 1598-1610

VSWR $\leq 1.4:1$ Impedance (Ohm) 50 Polarisation RHCP Active Gain (dB) 28 @ 2.7 V Saw Filter Type

Pre-Filter Voltage (V) 1.5 - 3.6 Noise Figure (dB) 1.5 Typ Current Consumption (mA) 9 Typ Power

Consumption (mW) 24.3 Typ ESD Protection (kV) 2

Date Created

June 10, 2022

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nick