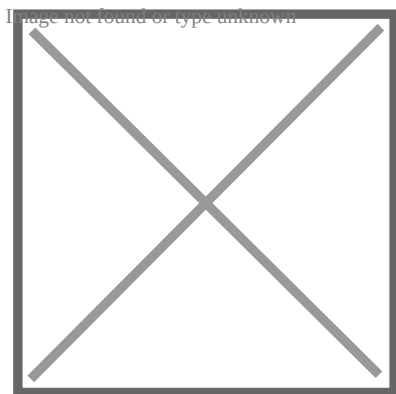




5GNR/4G LTE/3G/2G, GPS/GLONASS/Galileo, Iridium Certified, IP67, IP69 Ground Plane Independent Antenna

Description

The 3-in-1 Iridium certified antenna connecting you to the world with precision

The 5G NR Cellular/LTE, GNSS and Iridium Magnetic/Adhesive Mount (2J6975MPGF) is a 3-in-1, high-performance antenna that maximizes versatile usability without compromising efficiency. The compact size 2J6975MPGF outperforms any competitor by offering 5G NR, 4G, LTE, 2G, 3G, GPS, QZSS, Galileo, GLONASS and Iridium standards. The 2J6975MPGF offers reliable, constant global connectivity with the highest precision ideal for tracking/mapping devices, industrial machinery, sea vessels, air/automobile navigation and worldwide voice/data communications.

The Cellular/LTE (Cable 1) is suitable within 5G NR, 4G LTE, 3G and 2G standards. With omnidirectional radiation pattern the 2J6975MPGF operates within 617MHz-5925MHz frequencies. Designed to improve signal strength allowing uninterrupted connectivity, better signal quality, and reliability while providing increased data throughput.

The GNSS Ceramic Active Antenna (Cable 2) is designed for reliable navigational connectivity within GPS/ QZSS/ Galileo and GLONASS standards. With hemispherical radiation pattern, the 2J6975MPGF operates within 1575.42MHz and 1598MHz-1606MHz frequencies. The GNSS Ceramic Active Antenna offers access to multiple satellites improving accuracy, redundancy and availability at all times.

The Iridium Antenna (Cable 3) is designed for Iridium standards. With hemispherical radiation pattern, the 2J6975MPGF operates within 1616MHz-1627MHz frequencies and is IP67 and IP69 Iridium certified. The Iridium antenna offers the most reliable global connectivity on the market including poles, oceans and airways. This antenna is ideal for worldwide voice and data communication from hand-held satellite phones and other transceiver units.

Installation / Environmental

For internal and external applications, the production material used is black/white ABS UV stable, protecting the antenna from temperatures between -40C and 85C. With ground plane independence, this antenna is easy to install with minimal location restrictions. All three cables on the 2J6975MPGF antenna have a SMA-Male standard connector and come with 300cm standard cable length. The

2J6975MPGF is fully customizable by offering other connector types, cable lengths and cable types. The 2J6975MPGF is manufactured with RoHS compliance and complete IP67 and IP69 Iridium certification.

Technologies 5G, 4G, 3G and 2G

Standards 5G NR/4G LTE/FirstNet/CBRS/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G

Frequency 617-960, 1427-2690, 3300-5000, 5150-5925

Return Loss (dB) ~-8.9, ~-9.2, ~-8.2, ~-7.5

VSWR ~2.6:1, ~2.4:1, ~2.7:1, ~2.5:1

Efficiency (%) ~45.0, ~53.2, ~25.7, ~28.3

Peak Gain (dBi) ~2.3, ~5.1, ~2.6, ~2.7

Impedance (Ohm) 50

Polarisation Linear

Max. Input Power (W) 25

Radiation Pattern Omni-Directional

Standards IRIDIUM

Frequency 1616-1627

Peak Gain (dBic) ~5.2

Efficiency (%) ~68.1

Radiation Pattern Hemispherical

Polarization RHCP

Standards GPS/QZSS/Galileo/GLONASS

Frequency 1575.42, 1598-1606

Impedance (Ohm) 50

Active Gain (dB) 28 @ 2.7 V

Saw Filter Type Pre-Filter

Voltage (V) 1.5 – 3.6

Current (mA) 9 @ 2.7 V

Power Consumption (mW) 24.3 @ 2.7V

Date Created

June 10, 2022

Author

nick