



Iridium Ceramic Patch 36 x 36 x 4 mm Thru-Hole Mount Antenna

Description

The Next Generation of Global Satellite Communication

The Iridium Low-Profile Ceramic Patch Thru-Hole Mount Antenna (2JCP3642601a) is bringing the next generation of global communication within Iridium standards. With hemispherical radiation pattern, the 2JCP3642601a offers exceptional connectivity in 1616MHz-1627MHz frequencies.

The 2JCP3642601a offers the most reliable global connectivity on the market including poles, oceans, and airways. With a peak gain of ~4.5 dBi, ~76% efficiency and Return Loss of ~-18.8dB, the 2JCP3642601a is the ideal solution for worldwide satellite voice and data communication in commercial, emergency transportation and logistics markets. This antenna is right hand circularly polarized (RHCP) rejecting multi-path interference and optimizing signal strength. The 2JCP3642601a is an economical solution, making it suitable for high volume and mass production of satellite communication devices.

Suggested Applications-Commercial/ Residential-Emergency Communications-Voice & Data Satellite Communications-Transportation-Satellite-based telecommunications

Installation / Environmental

The high-quality ceramic housing offers the 2JCP3642601a durability and protection in extreme environments withstanding temperatures between -40C and 80C. With low-profile dimensions (36 x 36 x 4 mm) and ground plane dependent, this compact thru-hole mount antenna is easy to install in space-restricted areas. All 2j Antenna`s products are manufactured within RoHS compliance.

Development Kit

The 2JCP3642601a is also available with Ceramic Antenna Development Kit. This allows for rapid antenna prototyping and development in-house, avoiding costly non-recurring engineering (NRE) development fees. For more details about the development kit, see product ID 2JDK0126a-C104N

Standards IRIDIUM
Frequency 1616-1627
Passive Gain (dBi) ~4.5
Efficiency (%) ~76
50
Axial Ratio (dB) 3 max
Radiation Pattern Hemispherical
Polarization RHCP

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