



## 169MHz ISM-ERMES Compact, High-Frequency Surface Mount Fiberglass Antenna

### Description

169MHz ISM-ERMES Compact, High-Frequency Surface Mount Antenna – A Low Profile, Small Footprint ERMES Compatible Antenna

Very High Frequency

The 169 MHz ISM-ERMES surface mount antenna (2JE06a) offers the utility business industry a viable alternative to higher frequencies for wide range wireless metering within ISM / ERMES / VHF standards. The 2JE06a is offering a very high frequency and long distance range, even in crowded urban environments and its low-profile characteristic is ideal for applications such as smart meters, industrial remote controls, European Radio Message Systems (ERMES), and other Industrial, Scientific and Medical (ISM) band equipment. This antenna can be deployed for longer range applications at relatively low power due to the low frequency of operation. With interchangeable matching components, the 2JE06a can be installed on various PCB board sizes, allowing for implementation in the most constrained spaces.

Installation and Durability

Easy to integrate, the compact size of the 2JE06a has omnidirectional radiation and maximizes PCB design with ground plane dependence of 40x7x2.4mm without compromising performance. With interchangeable matching components, the 2JE06a can be installed on various PCB board sizes, allowing for implementation in the most constrained spaces. It is designed from fiberglass, one of the most durable materials, it holds up best to the rigors and abuse of the roughest conditions. The 2JE06a is compatible with reflow processes and comes on tape & reel for efficient automatic installation. This antenna is built with RoHS manufacturing compliance. Its optimal operation parameters are within temperatures of -40C to 80C.

Standards ERMES, ISM, VHF  
Frequency 169.4-169.9  
VSWR ~1.2:1  
Peak Gain (dBi) ~6.0  
Impedance (Ohm) 50  
Polarisation Linear  
Max. Input Power (W) 10

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