

OnBoard™ SMD 169 MHz

Antenna for embedded products on the ISM 169 MHz frequency band. The antenna is a combination of electrically small size, low cost and high performance and can for example be implemented to M2M applications, alarms and automated meter reading.

The OnBoard SMD concept offers features like:

- SMD compatibility
- Low loss material
- PCB on-ground implementation
- Simple fine tuning by matching network
- RoHS compliance
- Low cost



Technical data

Part number	PRO-OB-508
Frequency	169.4-169.8 MHz
Impedance	50 Ω
Return loss	<-10 dB
Total efficiency	>28%(-5.4dB)
Dimensions	80 x 80 x 35 mm (3.15 x 3.15 x 1.378 in)
Soldering	Reflow or equivalent
Packing	Tray packing
Temperature	-40 to +125 ⁰ C

Note:

Above specification is valid on the Proant evaluation board. See related application note for more information.

Patent: SE537042 + Pending