



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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° C

Note:

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

Patent: SE537042 + Pending