



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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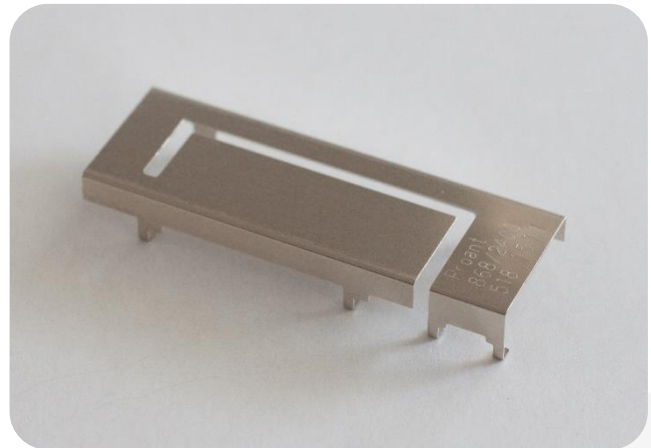


OnBoard™ SMD 868+2400 MHz

Small antenna for embedded products on the 868 and 2400 MHz ISM bands, suitable for applications in 6LoWPAN and ZigBee etc.

The OnBoard SMD concept offers features like:

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



Technical data

Part number	PRO-OB-518
Frequency	860 - 870 MHz and 2.4 - 2.5 GHz
Impedance	50 Ω
Return loss	<- 6dB
Total efficiency	> 40% (-4dB)
Dimensions	34 x 11.6 x 5.0 mm (1.34 x 0.46 x 0.20 in)
Assembly	Pick and place
Soldering	Reflow or equivalent
Packing	Tape and reel
Temperature	-40 to +125° C
Mechanical resistance ¹	Immunity to vibrations IEC/EN 60068-2-6, Fc test Immunity to shock IEC/EN 60068-2-27, Ea test

Note:

1) The product has been tested according to the standard IEC 60721-3-5 – Class 5M3 (road vehicles in areas without well-developed road systems, light-weighted vehicles, tracked vehicles and self propelled machines)

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

Patent: SE537042 + Pending