



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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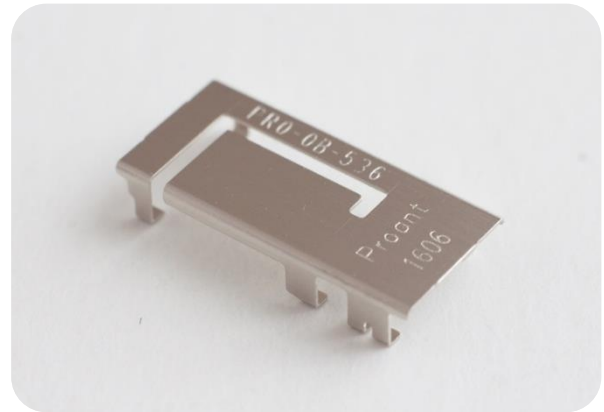


# OnBoard™ SMD WLAN

Small antenna for embedded products that cover the ISM band 2400 -2500 MHz and 5180-5850 MHz used for WLAN and is also suitable for applications in Bluetooth 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-536
Frequency	2400 – 2500 MHz, 5150-5850 MHz
Impedance	50 $\Omega$
Return loss	<- 8dB
Total efficiency	> 60% (-2.2dB)
Dimensions	14.2 x 6.6 x 2.5 mm (0.56 x 0.26 x 0.1 in)
Assembly	Pick and place
Soldering	Reflow or equivalent
Packing	Tape and reel
Temperature	-40 to +125° C
RoHS status	Compliant with EU directive 2011/65/EU (RoHS 2)
Shelf life	10 years
MSL	Level 1, unlimited
Mechanical resistance <sup>1</sup>	Immunity to vibrations IEC/EN 60068-2-6, Fc test Immunity to shock IEC/EN 60068-2-27, Ea test

<sup>1)</sup> 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