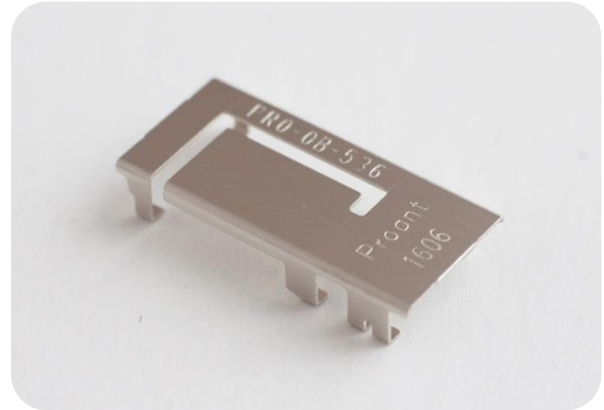


# OnBoard™ SMD WLAN

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