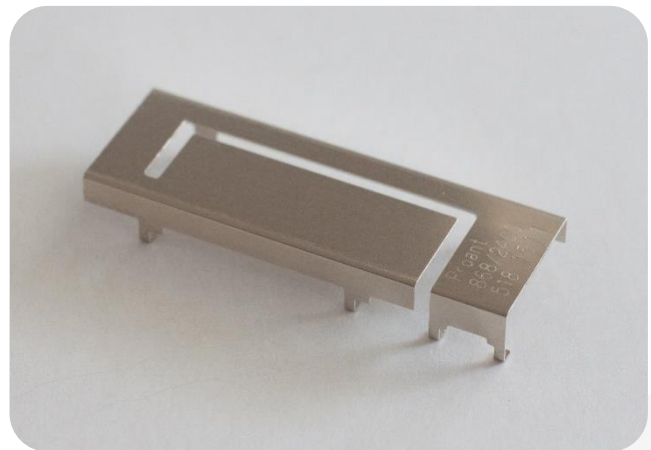


OnBoard™ SMD 868+2400 MHz

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