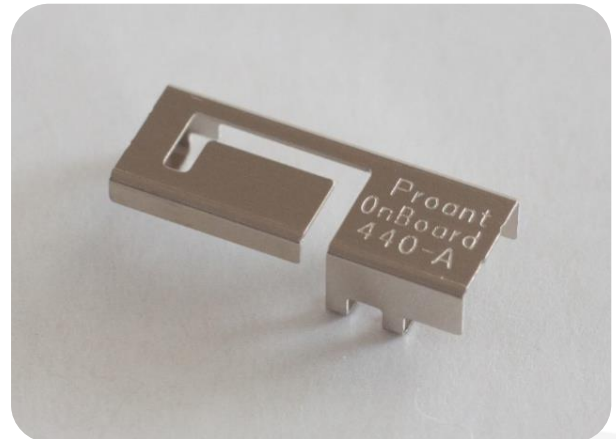


# OnBoard™ SMD 2400

Small antenna for embedded products on the 2.4GHz ISM band, suitable for applications in WLAN/Wifi, Bluetooth, Zigbee, RFID, WirelessHART 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-440
Frequency	2400 - 2500 MHz
Impedance	50 Ω
Return loss	< -10 dB
Total efficiency	> 75% (-1.25dB)
Dimensions	13.8 x 6.0 x 3.5 mm (0.541 x 0.236 x 0.138 in)
Assembly	Pick and place
Soldering	Reflow or equivalent
Packing	Tape and reel
Temperature	-40 to +125 <sup>0</sup> C
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

**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