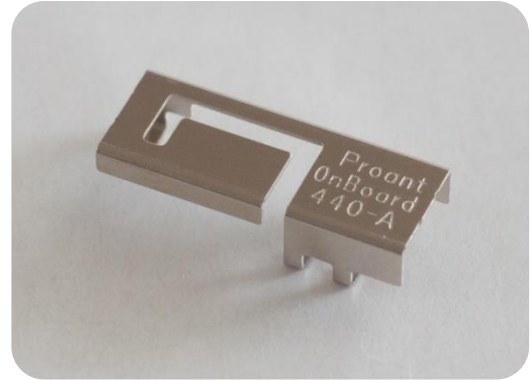


OnBoard™ SMD 2400

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	13.75 x 5.23 x 3.23 mm (0.541 x 0.206 x 0.127 in)
Assembly	Pick and place
Soldering	Reflow or equivalent
Packing	Tape and reel
Temperature	-40 to +125 ⁰ C
RoHS status	Compliant with EU directive 2011/65/EU (RoHS 2)
Shelf life	10 years
MSL	Level 1, unlimited
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