

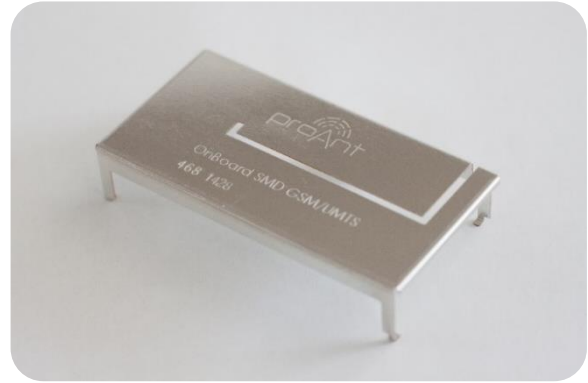
OnBoard™ SMD GSM-UMTS

Not recommended for new design. Replaced by PRO-OB-572

Small antenna for embedded products on the cellular GSM and UMTS (3G) bands.

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-468
Frequency	824-960 MHz, 1710-2170 MHz
Impedance	50 Ω
Return loss	< -6 dB
Total efficiency	> 63% (-2.0dB)
Dimensions	50 x 25 x 10 mm (1.969 x 0.984 x 0.394 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

Note:

Above specification is valid on the Proant evaluation board. See related application note for more information.

Patent: SE537042 + Pending