

# 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 $\Omega$                                     |
| 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 <sup>0</sup> 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*