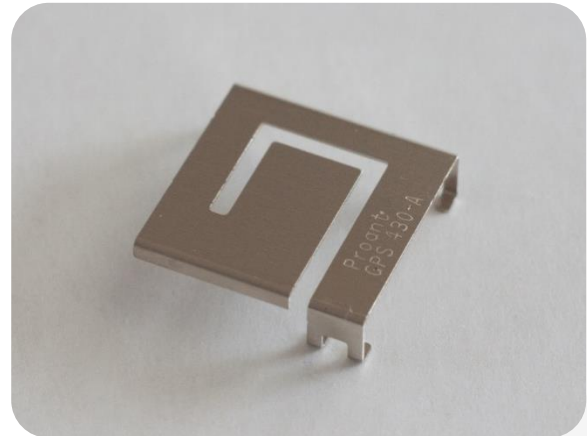


# OnBoard™ SMD GNSS

Small antenna for embedded products on the GNSS frequency bands. The antenna provides omnidirectional radiation properties suitable for many applications with arbitrary sky angle.

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-430
Frequency	1575 - 1602 MHz
Impedance	50 $\Omega$
Return loss	< -10 dB
Total efficiency	> 65% (-1.9dB)
Dimensions	12.5 x 12.4 x 3.3 mm (0.492 x 0.489 x 0.131 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