



## Low Profile Antenna for GPS and Cellular Phone



### GPS 18 90 LP

The new GPS/Cellular combination antenna has been designed for the use in fleet management systems, asset tracking, car navigation or other telematics applications.

The innovative antenna design is characterised by:

- **Versatility**
  - mounting on various surfaces (glass, plastic, metal, ...)
  - mounting by adhesive or magnetic pad resp. screw mounting
- **Low profile**
  - with dimensions of 100 x 66 mm and only 21 mm height suitable for applications with limited space
- **Classified IP66**
  - waterproof for outdoor installation
- **Broadband tuning**
  - covers either all European GSM and US American cellular phone frequencies



#### Technical Data

Dimensions	100 mm x 66 mm x 21 mm / 3.9 x 2.6 x 0.8 In.	
Protection class	IP66 (acc. IEC 60529)	
<b>GPS</b>		
Gain	2 dBic <sup>1)</sup>	
Polarization	RHCP	
Amplification	27 ± 3 dB	
Noise figure (50 Ohm)	≤ 2,5 dB	
Voltage supply	3 – 5,5 VDC (remote fed)	
Current consumption	≤ 25 mA at 5 V	
<b>Cellular</b>		
Frequency range	AMPS:	824 – 894 MHz
	GSM 900:	880 – 960 MHz
	GSM 1800:	1710 – 1880 MHz
	GSM 1900:	1850 – 1990 MHz
	UMTS:	1920 – 2170 MHz
Gain	0 dBi	
Polarization	linear, vertical	
Load capacity	max.10 W pulsed acc. GSM standard	
<b>Cable and Connector</b>		
Cable standard version <sup>2)</sup>	920 061-001:	RG 174 / 3000 mm, 118.11 In.
	920 062-001:	RG 174 / approx. 300 mm, 11.81 In.
Connector standard versions <sup>2)</sup>	920 061-001:	GPS: SMB female Cellular: FME female
	920 062-001:	GPS: SMB female Cellular: FME male
<b>Accessories</b>	821 049-001:	Magnetic adhesive pad, especially for quick mounting on metallic surfaces

<sup>1)</sup> dBic: measured towards isotropic radiator, circular polarisation

<sup>2)</sup> other cable lengths and connectors on request

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