

GSM AND GPS ANTENNA

VTK-ANT-GLASS-GSM+GPS

The VITRIKO antenna Dual band is a surface mounting and reduced size antenna recommended for automotive purposes, cars, buses, etc.

This antenna is provided with 5 m cable RG174 for GSM /GPS with SMA connector.

Features and benefits:

- Antenna suitable for indoor using.
- Self-adhesive base (3M sticker) for firm attaching.
- Cable length 5m
- Connector: SMA(m)/SMA(m)
- **GSM:** Dual-band 900/1800 MHz antenna, 2.5dB gain
- **GPS:** GPS receiver short circuit protect
- Operating voltage +2.7 to +5.5V DC



5 m	2.5 dB GSM	RG 174/U	30dB GPS
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GSM Specification

Frequency range:	900/1800 MHz
Radiation:	H-300°, V-30°
Polarization:	Vertical
Gain:	2.5 dB
VSWR:	< 1.8:1
Impedance:	50 Ohm
Power handling:	10 W max

GPS Specification

Frequency range:	1575.42 MHz
Bandwith:	10 MHz
Polarization:	R.H.C.P
Gain (without cable):	30 dB typ
Net Gain (with cable loss):	22 dB typ.
Noise Figure:	1.2 dB typ.
Attenuation:	20 dB min @ fo +- 50 MHz
VSWR:	<2.0:1
Impedance:	50 Ohm
Axial Ratio:	1.0 dB typ.
LNA Current Consumption:	18 to 28 mA DC
LNA Supply Voltage:	+2.7 to + 5.5 V DC

Mechanical Specification

Attachment manner:	Adhesiv
Available connectors	SMA (m)
Cable	RG174/U 5 m
Minima radius for bending:	15 mm /30 mm repetitive
Operating temperature:	-30° to + 90°C
Storage temperature:	-40° to + 95°C
Weight:	178g
Dimension:	123 x 61 x 18mm

Drawing

