

# FAL-ANT-11

## Quad Band GSM + GPS Combination Antenna

### GENERAL DESCRIPTION

The FAL-ANT-11 antenna has been specifically designed for replacing the FAL-ANT-5/7 combined antennas and for the demands of today's Telematics and AVL systems. The new antenna comes with improved performance over existing antenna design. Combining a quad-band (850/900/1800/1900MHz) Cellular dipole with a high performance amplified GPS antenna in a single, low profile windscreen mounted disc antenna; the FAL-ANT-11 is ideally suited to the current market trend of manufacturers supplying GPS receivers with an integrated LNA. Delivering 18dBi (nominal) at the connector, it also meets the specification of most "high sensitivity" GPS receivers. It is supplied in black, with 2.5 metres of RG174 cable and is terminated with FAKRA connector.

The compact form-factor, the sample installation and the excellent price/performance are making out of the FAL-ANT-11 perfect accessory for AVL or fleet management applications.



### INTERFACES



### ANTENNA SPECIFICATION

Quad Band GSM + GPS combination antenna	
GSM Frequency:	850/900/1800/1900MHz
GPS Frequency:	1575.42MHZ
Size (Nominal):	77mm diameter x 14mm (H)
Mounting:	Double sided self adhesive pad
Material:	ABS Plastic
Gain (typical):	GSM: 2dBi; GPS: 18dBi
Supply Voltage:	GPS: 2.5 V to 5.5 VDC
Power consumption (GPS):	GPS: 12 mA max. @ 3.0 VDC
Weight (including connectors and cable) :	120 grams
Operating and Storage Temperature:	-40 to +85 °C
Cable length:	2.5m x RG-174
Impedance:	50 Ohms
Humidity:	95% Max.
Sealing:	Non waterproof (internal use only)
GSM antenna connector :	FAKRA - bordeaux colour
GPS antenna connector :	FAKRA - blue colour

### MOUNTING INSTRUCTIONS

- Designed for on-glass and non-metallic mounting surfaces.
- Recommended installation position on front windscreen
- Antenna position at least 20 mm from any metal surface.
- Installation location should be dried from oil, water etc.
- Satellite side of the antenna must face up, towards the sky.

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