

APX27/GPS/SIN

VHF manpack folding whip, composite, monopole, GPS, SINCGARS,
2.65 m, 30-108 MHz



Tactical Antennas: Handheld and Manpack

The APX27 is a folding whip in 9 sections for portable VHF radio sets. This version of the antenna also has a built-in L1 band GPS element. The antenna utilises fibreglass elements with a conductive coating that gives excellent mechanical and electrical properties.

This version of the antenna is designed to be used together with the SINCGARS radio. The antenna includes a broadband matching network. Other versions of this antenna are available on request.

Connectors

The standard antenna is supplied with a SINCGARS connector for VHF and an SMA male connector for the GPS. Other versions can be manufactured according to customer specifications. The GPS element is fed with a separate cable that incorporates a filter to suppress the VHF cable.

Variants

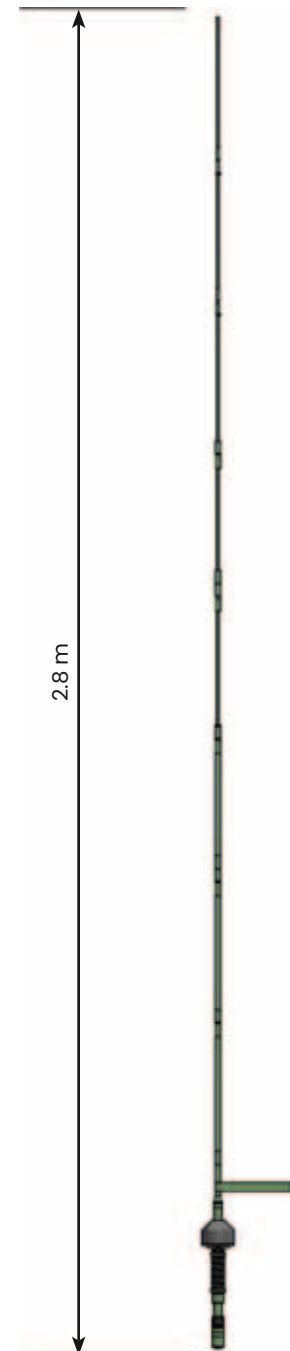
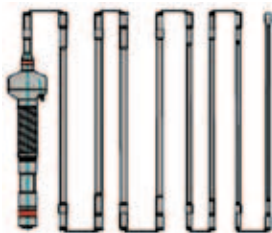
Variants are available with different lengths and number of sections. The standard antenna is supplied with a shock absorbing spring. It can also be supplied with a gooseneck to allow antenna orientation.

Electrical Specifications

Frequency Range	30 - 108 MHz
Impedance	50 Ω
VSWR	< 3.5:1
Power Rating	15 W
Frequency Range GPS	1575 MHz
Power Supply GPS	2.7 - 5.5 V @ < 23 mA, + in centre
Amplifier Gain GPS	25 dB

Mechanical Specifications

Design	Glass fibre elements with conductive coating, brass plated ferrules and elastic cord
Length	2.8 m
Weight	0.95 kg
Finish	Polyurethane lacquer, olive
Temperature Range	- 55°C to + 71°C



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All specifications are subject to change without notice

The information contained herein is for reference only and does not constitute a warranty of performance

Partnered Supplier



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