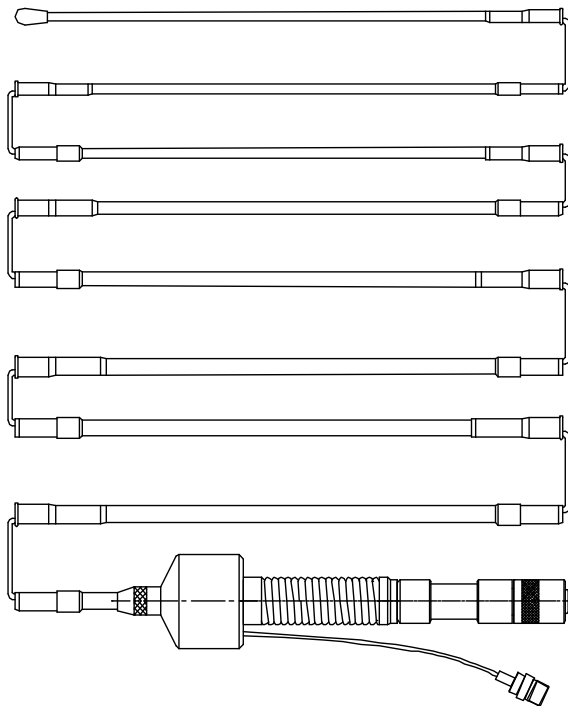
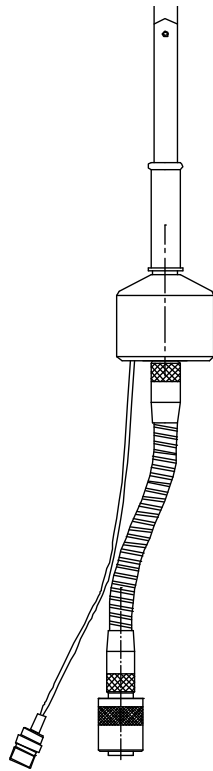


COMROD APX-GPS

GPS antenna element for Manpack antennas



Application:

The APX-GPS is a Mil-Spec. GPS active receiving antenna. Instead of using separate GPS and VHF communication antennas, the APX-GPS is inserted between spring/gooseneck and antenna whip on standard Comrod Man-Pack antennas. The GPS antenna will not be affected by the use of full transmitting power on VHF.

A filter on the GPS coaxial cable prevents the VHF signal from being conducted to ground through the GPS cable.

Specifications:

Compatible with:	APX10 & APX27 antennas.
GPS frequency range:	L1, 1575.42 ± 10MHz
GPS preamplifier gain:	26.5 dB
GPS noise figure:	2.5dB
GPS supply voltage:	5.0 ± 0.5V, Through coaxial cable
GPS supply current:	< 40mA
Connector GPS:	SMB between GPS cable and GPS element SMA male towards GPS receiver, others on re-
Temperature range:	-55 °C, +85 °C
Mechanical design:	Puck made from POM plastic.
Height puck:	42mm, + M10 stud 10mm
Diameter puck:	54mm
Weight:	Antenna puck: 125g Cable assembly: 65g
Coaxial cable:	EF316D, robust version of RG316. With connec-

Mounting

M10 male/female threads that fits between spring/gooseneck and antenna whip. Male towards antenna whip.

