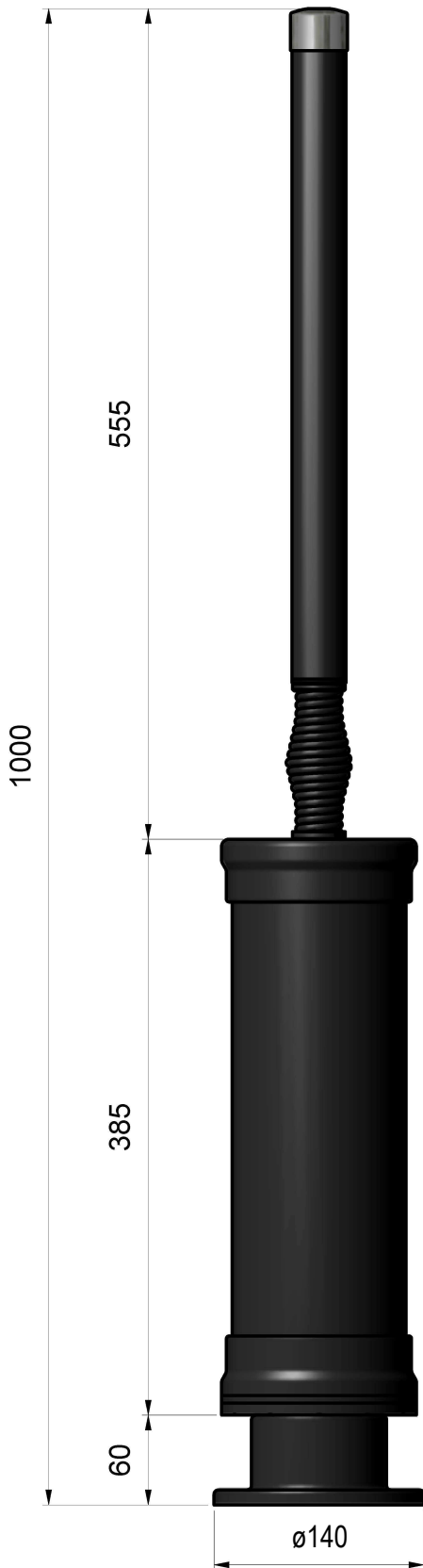


COMROD VHF3088T

Auto tune low profile VHF antenna



Application:

The VHF3088T is an affordable PIN diode tuned low profile wide-band antenna covering the complete 30 to 88MHz range.

The gain of the antenna is similar to a normal 3.5m long wideband dipole antenna. although only a quarter of the height.

The frequency range can be extended into the UHF band and above through the installation of an optional connector and wideband whip. This combination of passive and tuneable dipole antennas give a far superior performance when compared to a ultra wide band passive antenna.

It is intended to be used on all kinds of vehicles including Jeeps, Trucks and Armoured vehicles.

The antenna tunes to a new frequency in less than 100 μ s, and special precautions are integrated to reduce noise and distortion.

Can be interfaced to most types of VHF radios

Electrical specifications:

Frequency range	30-88MHz
VSWR	< 2.5 on tuned frequency
Nominal impedance	50 ohm
Power rating	75W CW
Gain	-5 to 2 dB rel. $\frac{1}{4}\lambda$ whip on ground plane
Radiation pattern	Azimuth: Omnidirectional Elevation: as a $\frac{1}{4}$ wave whip
Polarization	Vertical, when installed in a vertical position
Power supply	Average 5W @ 24V DC
Connectors	BNC female for VHF, Optional connectors: SMA female in the bottom & N female on top MIL circular connector for power and interface

Mechanical specifications:

Design	End fed tuned whip— ground plane independent. Radiating element completely enclosed in epoxy/fibreglass laminate. Metal parts are aluminium, brass and stainless steel.
Length	Approx. 0.95m
Weight	TBD
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, black drab. Black base Other colours on request
Temperature range	-55 °C, +71°C; -67 °F, +160 °F