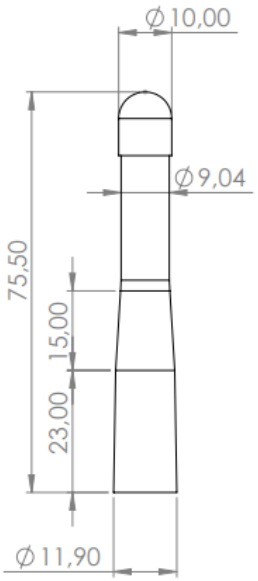
380-400 MHz
HELICAL AND GNSS HAND-HELD RADIO ANTENNA

This product consists of a short helical antenna covering frequency range from 380 to 400 MHz and it is intended to be used with handheld radios for public safety applications. A second antenna operating at upper L band (1560 – 1610 MHz) for GNSS applications is also included within the helical antenna. Using an SMA male type connector this product can be considered as a dual band antenna which has a power handling capability of 10 Watts at the UHF band. Electrically the UHF antenna part is designed as a helical type and the GNSS one as a passive monopole type. All metal parts of the antenna are enclosed in a tube made of Thermoplastic Polyurethane ensuring flexibility and long life time.

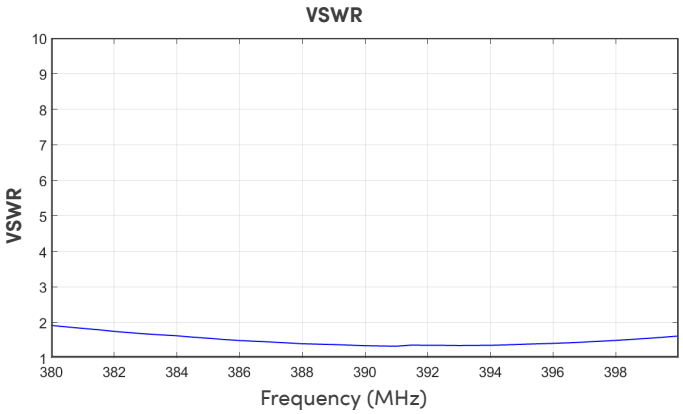
HELICAL AND GNSS HAND-HELD RADIO ANTENNA

Frequency	225-512 MHz 1560-1610 MHz
Impedance	50 Ohm
VSWR	< 3:1
VHF Gain	> -2.3 dBi
Polarization	Linear
Radiation Pattern	Omni Directional
Maximum Power Handling	10 W CW
Connector Type	SMA M
Weight	13 gr
Height	75 mm
Operating Temperature	-41...+71°C
Storage Temperature	-55...+85°C

▶ Technical Dimensions



▶ Typical Peak Gain vs Frequency for UHF Band



▶ Typical VSWR vs Frequency for GNSS Band