GT FLEX VEHICULAR TUNABLE VHF OR UHF AND GPS BAND ANTENNA

140 ÷ 175 MHz, 370 ÷ 480 MHz and 1575.42 ± 3 MHz

1710002
GT FLEX V/U

PMR

POLOMARCONI.IT
TELSA

POLOMARCONI offers a very wide range of wireless products.
Our products can be tailored according to the customer's need.

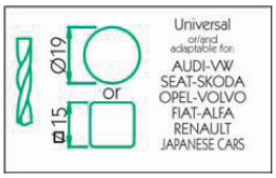
Mechanical Specifications

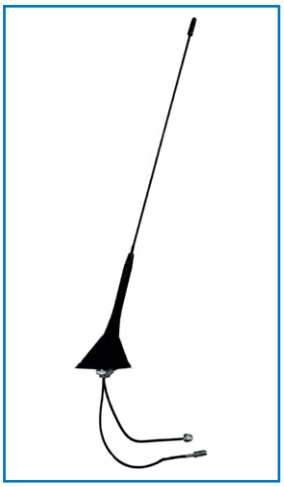
Type of connections (RG 174 cable)	Connector for UHF and GPS on request Length on request
Max length of the whip (mm) from vehicular roof	580
Total weight (kg)	abt. 0.3
Whip material	stainless steel
Mounting hole (mm)	see relevant perforation mask
Temperature range (°C)	-40 ÷ +70

DESCRIPTION

Vehicular VHF/UHF whip antenna and GPS antenna with base. Stainless steel whip tunable by cutting (see cutting diagram for the two relative bands).

PERFORATION MASK

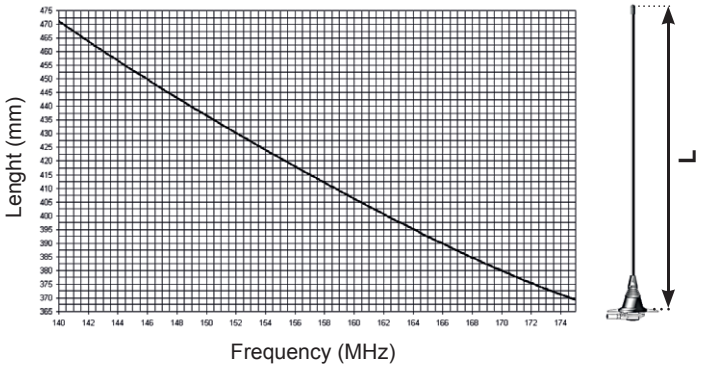




Electrical Specifications VHF

Type	1/4 λ
Frequency band (MHz)	140 ÷ 175
Impedance (Ω)	50
VSWR at resonant frequency	≤ 2.0:1
Polarization	vertical
Gain (dBi)	3
Max RF Power (W)	30

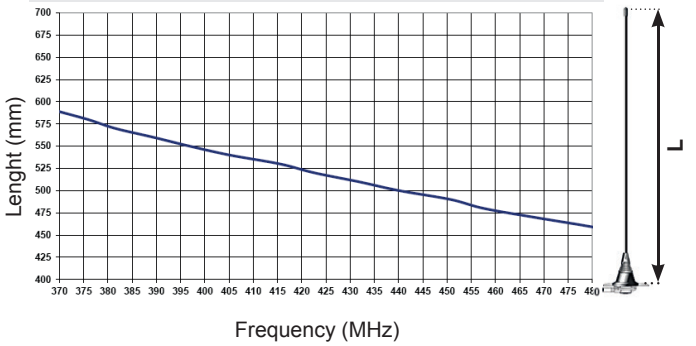
Cutting Diagram VHF



Electrical Specifications UHF

Type	5/8 λ
Frequency Band (MHz)	370 ÷ 480
Input impedance (Ω)	50
VSWR at resonant frequency	≤ 2.0:1
Polarization	vertical
Gain (dBi)	6
Max RF Power (W)	30

Cutting Diagram UHF



GPS Specifications

ANTENNA	
Frequency Band GPS (MHz)	1575.42 ± 3
VSWR	≤ 2.0:1
Polarization	RHCP
Gain (dBi)	1 min (70x70mm ground plane)
Continuous Max Power (W):	30
LNA GPS	
Gain (dB)	29 typ. (5 Vdc power supply)
Noise Figure (dB)	2 max. (5 Vdc power supply)
Attenuation (dB)	28 min. (@1575.42±100 MHz)
VSWR	≤ 2.0:1
Consumption current (mA)	30 max
Impedance (Ω)	5
Operating voltage (Vdc)	3 ÷ 5