



# VEHICULAR ANTENNA VHF AND GPS BAND

130 ÷ 175 MHz and 1575.42 ± 3 MHz

17100062A  
GT FLEX VG

POLOMARCONI.IT



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

PMR

## Electrical Specifications

Type	1/4 λ
Frequency band VHF (MHz)	130 ÷ 175
Input impedance (Ω)	50
VSWR at resonant frequency	≤ 2.0:1
Max RF Power (W)	30
Polarization	vertical
Bandwidth (MHz)	20
Gain (dBi)	0 dB over λ/4 monopole

## GPS Specifications

### ANTENNA

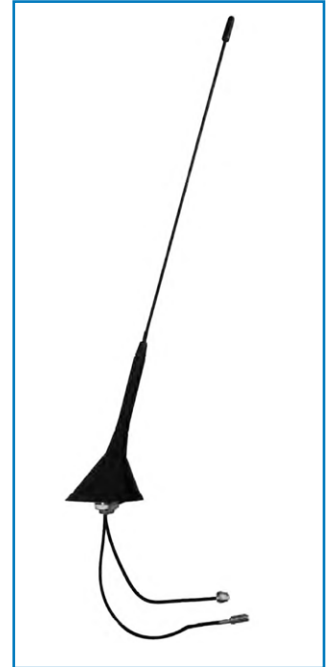
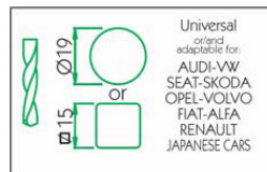
Frequency band GPS (MHz)	1575.42 ± 3
VSWR	≤ 2.0:1
Polarization	RHCP
Gain (dBi)	1 min (70x70mm ground plane)
Continuous Max Power (W)	30

### 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
Output impedance (Ω)	5
Operating voltage (Vdc)	3 ÷ 5



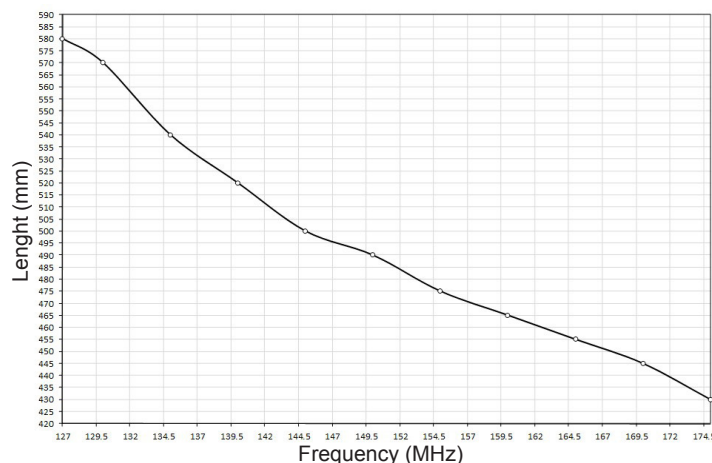
### PERFORATION MASK



## Mechanical Specifications

Type of connections (RG 174 cable)	VHF	5 m of RG 174 M1 BNC/m
	GPS	5 m of RG 174 M1+SMA/m
Max length of the whip (mm) from vehicular roof		470
Total weight (kg)		abt. 0.3
Whip material		stainless steel
Mounting hole (mm)		see relevant perforation mask
Temperature range (°C)		-40° ÷ +70°

## Cutting Diagram 130/175 MHz



BY



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