



# VHF AND GPS VEHICULAR ANTENNA

140...175 MHz and 1575.42 ± 3 MHz

17100060  
GT FLEX VG

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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)	140...175 tunable
Input impedance (Ω)	50
VSWR	≤ 2.0:1
Continuous Max. Power (W)	30
Polarization	vertical
Gain (dBi)	4
Operation Temp. Range (°C)	-40° ÷ +70°

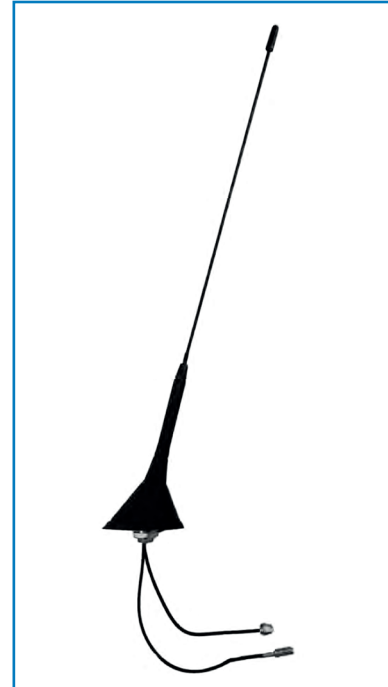
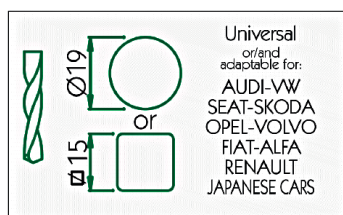
## GPS Specifications

<b>ANTENNA</b>	
Frequency Band GPS (MHz)	1575.42 ± 3
VSWR	≤ 2.0:1
Polarization	RHCP
Gain (dBi)	1 min (70x70mm ground plane)
<b>LNA GPS</b>	
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

## Mechanical Specifications

Type of connections (RG 174 cable)	
Connector for VHF and GPS	on request
Length	on request
Total weight (kg)	abt. 0.3
Max length of the whip (mm) from vehicular roof	470
Whip material	stainless steel
Mounting hole (mm)	see relevant perforation mask below

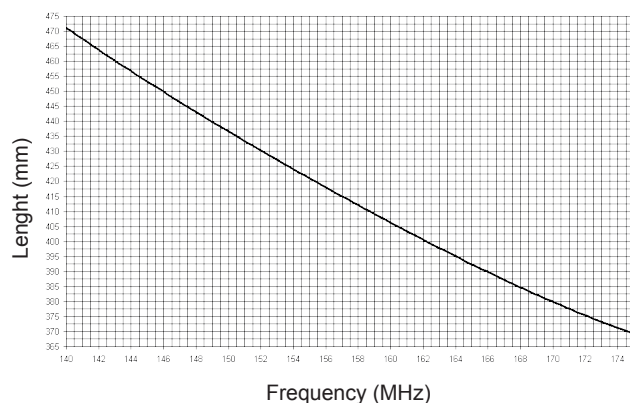
## Perforation Mask



## DESCRIPTION:

Vehicular VHF whip antenna and GPS bands with base. Stainless steel whip tunable by cutting (see cutting diagram).

## Cutting Diagram 140/175 MHz



BY



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