



AM-FM-VHF AND GPS VEHICULAR ANTENNA

0.5 ÷ 1.7 MHz, 88 ÷ 108 MHz, 130 ÷ 175 MHz
and 1575.42 MHz, with 5m cable

17100064P
GT FLEX VAG

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

CAR RADIO

Frequency band (MHz) 0.531 ÷ 1.611 (AM)
88 ÷ 108 (FM)

VHF

Frequency band (MHz) 130 ÷ 175 (see cutting diagram)

Gain (dB) over $\lambda/4$ monopole 0 (5 dBi when the antenna is installed
at the center of a metallic ground plane
of minimum dimensions 2000x2000mm)

Input impedance (Ω) 50

Polarization vertical

Maximum rated composite RF power (W) 30

Operating Temp. Range ($^{\circ}\text{C}$) -40 ÷ +70

GPS

Antenna

Antenna type Active patch antenna

Center frequency 1575.42 MHz

VSWR 160 ÷ 174 MHz ≤ 1.5
148 ÷ 174 MHz ≤ 1.8

Impedance 50 Ω

Polarization RHCP

Supply voltage 3 ÷ 5 Vdc

Consumption current 30 mA max.

Gain passive patch 1 dBi min (measured on 70x70mm ground
plane)

LNA

Gain 29 dB typ. (5 Vdc power supply)

Noise Figure 2 dB max. (5 Vdc power supply)

Attenuation 28 dB min. (@ 1575.42 \pm 100 MHz)

Mechanical Specifications

Type of connections (RG 174 cable)

Length VHF/GPS

5m of RG 174

Connector for VHF N/M

not crimped

Connector for GPS

on request

Whip length (mm)

abt. 580 max

Weight (kg)

abt. 0.3

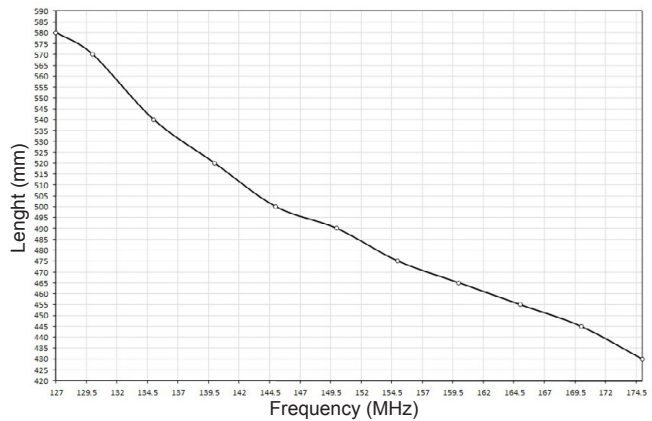
Whip type

stainless steel

Mounting

see perforation mask

Cutting Diagram 130/175 MHz



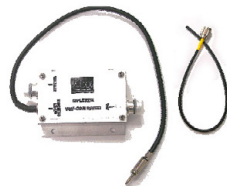
The antenna works on following sub-band:

136 ÷ 148 MHz

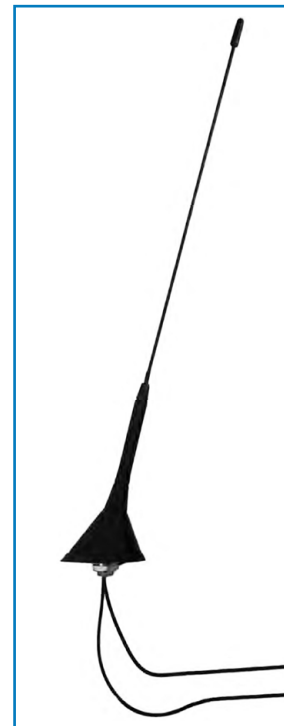
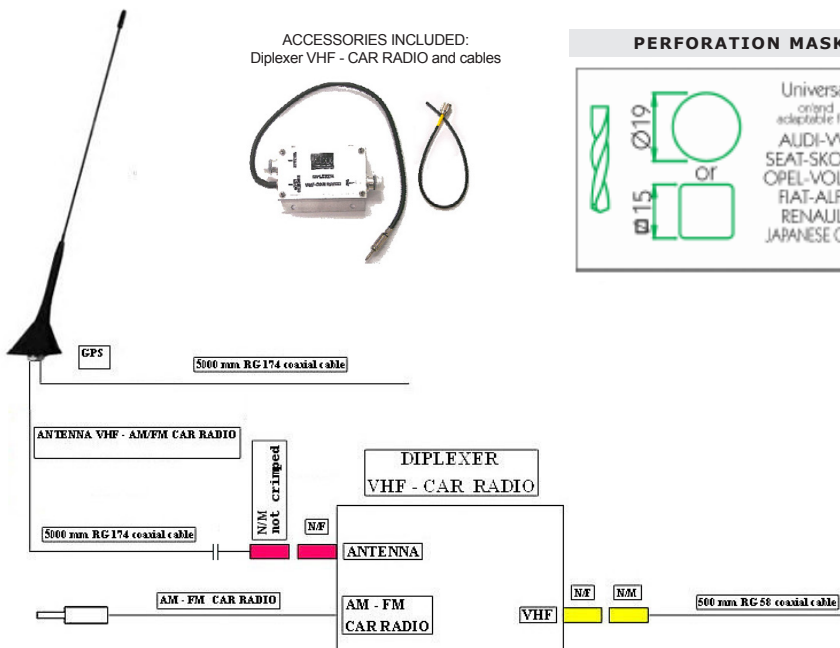
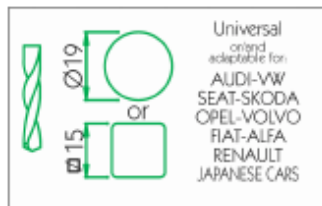
146 ÷ 160 MHz

160 ÷ 174 MHz

ACCESSORIES INCLUDED:
Diplexer VHF - CAR RADIO and cables



PERFORATION MASK



BY



Made in Italy. We reserve the right to modify these data without any notice.