



AM-FM-UHF AND GPS VEHICULAR ANTENNA

0,5÷1,7 MHz, 88÷108 MHz, 370÷480 MHz, 1575,42 MHz

17100084/R
GT FLEX
UAG

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 band

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

Frequency range (MHz)	370...480 (see cutting diagram)
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VSWR	≤ 2.0:1
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Gain (dB) over $\lambda/4$ monopole	2 (7 dBi when the antenna is installed at the center of a metallic ground plane of minimum dimensions 1000x1000mm)
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Input impedance (Ω)	50
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Polarization	vertical
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Maximum rated composite RF power (W)	30
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GPS band

Antenna

Antenna type	Active patch antenna
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Center frequency	1575.42 MHz
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VSWR	< 2.0:1
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Impedance	50 Ω
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Polarization	RHCP
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Supply voltage	3+5 Vdc
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Consumption current	30 mA max.
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Gain passive patch	1 dBi min (measured on 70x70mm ground plane)
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LNA

Gain	29 dB typ. (5 Vdc power supply)
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Noise Figure	2 dB max. (5 Vdc power supply)
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Attenuation	28 dB min. (@ 1575.42 ± 100 MHz)
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Mechanical Specifications

Type of connections

Connector for CAR RADIO, UHF and GPS	see page 2
Length	see page 2
Extension cable	see page 2

Whip length (mm)	abt. 580 max
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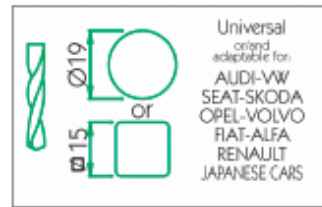
Whip type	stainless steel
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Mounting	see perforation mask
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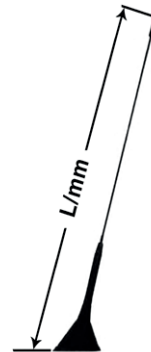
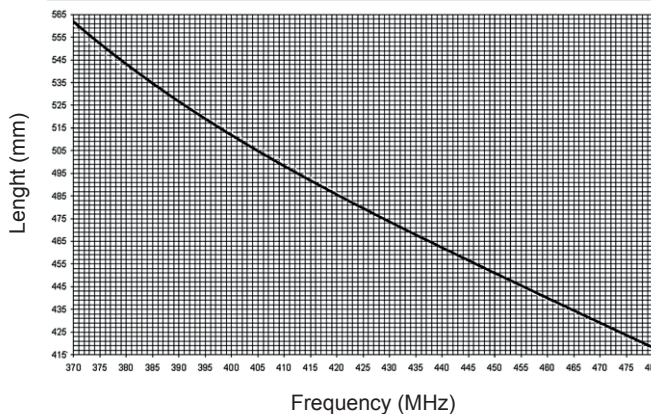
Temperature range ($^{\circ}\text{C}$)	-40° ÷ +70°
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Weight (kg)	abt. 0.3
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PERFORATION MASK



Cutting Diagram



ACCESSORIES INCLUDED: Diplexer UHF - CAR RADIO and cables



BY



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

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