



VEHICULAR ANTENNA UHF AND GPS BAND

380 ÷ 430 MHz and 1575.42 ± 3 MHz

17100055
GT FLEX UG

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 (MHz)	380 ÷ 430	
Input impedance (Ω)	50	
VSWR at resonant frequency	380 ÷ 400	< 1.5
	400 ÷ 430	< 2.0
Polarization	vertical	
Max RF Power (W)	30	
Gain	> 2.5 dBi	
	> 0.35 dBd	

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	

Mechanical Specifications

Type of connections	UHF:	5 m of RG 174 M1 BNC/m
	GPS:	5 m of RG 174 M1+SMA/m
Length of the whip (mm) from vehicular roof	195	
Total weight (kg)	abt. 0.3	
Whip material	stainless steel	
Mounting hole (mm)	see relevant perforation mask	
Operation Temp. range (°C)	-40 ÷ +70	



PERFORATION MASK

