

# **VEHICULAR ANTENNA UHF AND GPS BAND**

380 ÷ 430 MHz and 1575.42 ± 3 MHz

17100055 **GT FLEX UG** 

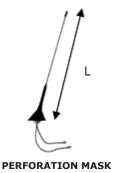
**PMR** 



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

# **Electrical Specifications**

Туре		1/4 λ
Frequency band (MHz)		380 ÷ 430
Input impedance ( $\Omega$ )		50
VSWR at resonant frequency	380 ÷ 400 400 ÷ 430	< 1.5 < 2.0
Polarization		vertical
Max RF Power (W)		30
Gain		> 2.5 dBi > 0.35 dBd







### **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 ( $\Omega$ )	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) 195 from vehicular roof abt. 0.3 Total weight (kg) Whip material stainless steel Mounting hole (mm) see relevant perforation mask Operation Temp. range (°C) -40 ÷ +70