



# DUAL BAND OMNIDIRECTIONAL MOBILE ANTENNA

400 ÷ 470 MHz / 876 ÷ 960 MHz and 1575.42 MHz

LP 403-9-G

POLOMARCONI.IT



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

RAILWAYS AND TRANSPORT

## Electrical Specifications

Type	1/4
Frequency Band (MHz)	400 ÷ 470 876 ÷ 960
Impedance ( $\Omega$ )	50
VSWR	< 1.5:1
Continuous Max. Power (W)	25 for 400 MHz 8 for 900 MHz
Polarization	vertical
Gain (dB) over 1/4 $\lambda$ monopole	0
Operation Temp. Range ( $^{\circ}$ C)	-35 $^{\circ}$ ÷ +80 $^{\circ}$

## GPS BAND

Type	Planar Patch
Frequency Band (MHz)	1575.42
Impedance ( $\Omega$ )	50
VSWR	< 1.5:1
Polarization	right hand circular
Gain (dBic)	+4.5 zenith
Beamwidth -3dB	172 $^{\circ}$

## GPS AMPLIFIER

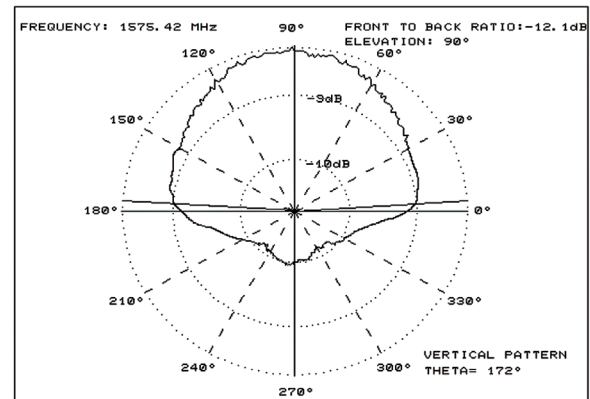
Type	A FIL 27
Voltage (Vdc)	5
Current (mA)	20
Typical Gain (dB)	27
Noise factor (dB)	< 1.5:1
Impedance ( $\Omega$ )	50
Input VSWR	<1:2
Output VSWR	< 1.5:1
Reverse isolation (dB)	> 48
Output compr. point (dBm)	1



## Mechanical Specifications

Connectors	Silver plated brass
Type of connection - UHF	N female
Type of connection - GPS	SMA female with cable
Dimensions (mm)	160x104
Net weight (kg)	abt. 0.8
Base material	Alodine 1200
Radome	Polycarbonate
Mounting hole	In conformity with FEDERTRASPORTI 00104/5

## GPS Radiation Pattern



BY



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

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