



MULTI BAND GNSS ANTENNA

Bands L1 L2 L5

T01811833

POLOMARCONI.IT

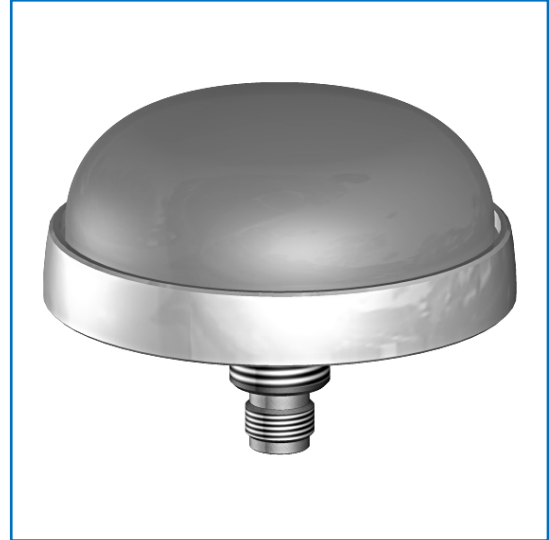
POLOMARCONI offers a very wide range of wireless products. Our products can be tailored according to the customer's need.

TRANSPORT

Electrical Specifications

SATELLITE NAVIGATION AND GEOLOCALIZATION BAND

Frequency band (MHz)	L5	1176
	L2	1202 ÷ 1248
	L1	1561 ÷ 1602
Impedance (Ω)		50
Polarization	Right Hand Circular Polarization (RHCP)	
Gain at zenith (dBi)	L5	≥ 30
	L2	≥ 25
	L1	≥ 31
VSWR	L5	$\leq 2.2:1$
	L2	$\leq 2.2:1$
	L1	$\leq 1.7:1$
Noise figure (dB)	L5	≤ 1.5
	L2	≤ 1
	L1	≤ 1
Supply voltage (V_{DC})		3 ÷ 5
Power consumption (mA)		≤ 15
Satellite navigation and geolocalization supported systems	GNSS, GPS, GLONASS, GALILEO, BEIDOU, QZSS	



Mechanical Specifications

Connector	TNC f	
Dimensions (Height from installation surface x Base diameter, mm)	32.5 x \varnothing 75	
Weight (kg)	0.3	
Materials	Base	Aluminium with SURTEC 650 galvanic treatment
	Radome	High impact polycarbonate
	Connectors	Silver plated brass
Mounting	at the center of a metallic conductive surface with a minimum size of 250x250mm	

Environmental Specifications

ATMOSPHERIC and CLIMATIC CONDITIONS according to NF EN 60068

MECHANICAL CONDITIONS according to NF EN 60068 amd 61373

RoHS 2011/65/EU compliant

FLAMMABILITY RATING according to EN 45545-2

IP rating: IP67

EMC according to NF EN 50121-3-2

MOUNTING FLANGE

Mounting: for the optimal performance we suggest at the center of a metallic conductive surface with a minimum size of 250x250mm; for different ground plane dimensions see page 2; it's advisable to keep the mounting surface clean and free from paint for an optimal electrical contact.

Mounting with a drilling hole of 16.5 mm of diameter