

MONO BAND GSM/R ANTENNA

876 ÷ 960 MHz

MGD2-R

TRANSPORT

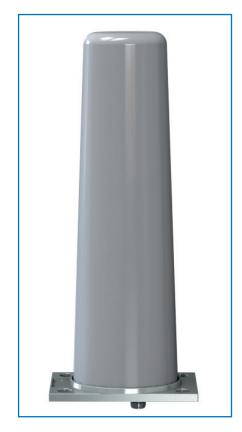
POLOMARCONI offers a very wide range of wireless products.
Our products can be tailored according to the customer's need.

Electrical Specifications		
Frequency band (MHz)	876 ÷ 960	
Impedance (Ω)	50	
VSWR	<1.7	
Continuous Max. Power (W)	30	
Polarization	vertical	
Gain (dB) over λ/4 monopole	3	
Operating Temp. Range (°C)	-40 ÷ +70	

Mechanical Specifications			
Connectors	N female		
Dimensions (mm)	360x80x145		
Weight (kg)	0.8		
Materials Base Radome Connectors	Aluminium with SURTEC 650 treatment High impact polycarbonate Silver plated brass		
Mounting	on metallic surface (600x600 mm minimum)		



Patent n° 1548873 Antenna for train with protective means against high voltages. Patent has been used by SNCF and by the most important producers of trains.



Environment	al Characteristics	MOUNTING FLANGE
ATMOSPHERIC and CLIMATIC CONDITIONS according to NF EN 60068		Mounting: on a conductive surface with
Temperature conditions	-40°C, +70°C	a mInimum size of 600x600 mm; it's advisable to keep the mounting surface
Atmospheric pressure	-40°C, +70°C, 95% HR at 2000 m	clean for a better electrical contact. MGD2 4 holes flange: flange with 4 M10 studs included; MGD2-3V 3 screws flange: flange with 3 screws included, according to
Rain, hail, snow, frost	1000 mm/h, 1 J impact, 0.5 m, 3 cm	
Combined wind and train speed	530 km/h	
		FEDERTRASPORTI 00104/5;
Free falls	1 m	Grounding and high voltage protec-
Hits (vertical, cross-sectional, longitudinal)	30m/s ² , 30m/s ² , 50m/s ² , 30ms	tion: Our antennas have passed the strict SNCF's tests that approved our products as protected against lighting
Impacts	50 J	
GROUNDING and HIGH VOLTAGE PROTECTION according to NF EN 50388 and NF EN 50123		and high-tension voltage thanks to our patented DC and AC grounded system.
Short-circuit currents flow / time before breaking	70 kA / 5 ms - 40 kA / 100 ms (DC) 31,5 kA / 10 ms - 15 kA / 100 ms (AC)	Approved by: SNCF, SNCB, TRENITALIA

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

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