



# UHF OMNIDIRECTIONAL ANTENNA

225 ÷ 400 MHz, Single Polarization  
2 dBi, 3 inputs, Obstruction light

T01130611

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

ATC

## Electrical Specifications

Frequency band (MHz)	225 ÷ 400
Impedance ( $\Omega$ )	50
VSWR	$\leq 2:1$
Continuous Max. Power (W)	200
Power Supply ( $V_{AC}$ )	220
Polarization	linear vertical
Gain (dBi) typ.	2
HPBW ( $^{\circ}$ ) - H-plane	omni $\pm 1$ dB
HPBW ( $^{\circ}$ ) - E-plane	80 $\pm 5$
Isolation (dB)	
between Tx1-Tx2	$\geq 27$
between Tx2-Rx	$\geq 40$
Lightning Protection	DC grounded

## Mechanical Specifications

Connectors	3 x Nf
Power Connector	3+PE male
Upper Fixed Obstruction Light	Red
Dimensions (mm)	
Length	4850
Radome diameter	$\varnothing 127$
Weight (kg)	41
Wind load @ 200 km/h (N)	1220
Colour	RAL 2002 (Red) / RAL 9010 (White)
Radome material	Fiberglass
Mounting	flange $\varnothing 265$ mm
Operating Temp. Range ( $^{\circ}C$ )	-40 ÷ +70

## DESCRIPTION

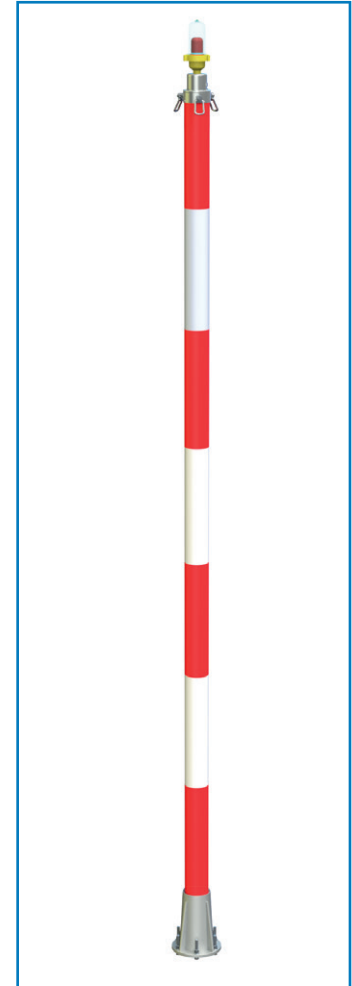
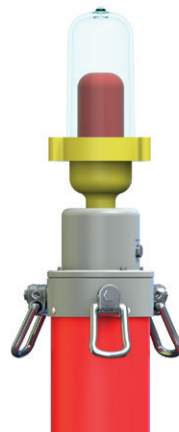
Special collinear antenna with three elements inside the radome and obstruction light on the top.

This antenna red and white coloured in suitable to be installed near airports or on every high towers for obstruction.

It's operating in UHF Band.

## SPECIAL FEATURES

- UHF band: 225 ÷ 400 MHz
- Nr. input: 3 (2 Tx, 1 Rx)
- Omnidirectional radiation
- High power: 200 W
- Protected against lightning
- Very rugged construction
- Obstruction light integrated
- Red and white radome
- Designed for support guy line ropes.



## MOUNTING FLANGE (mm)

