



VHF OMNIDIRECTIONAL ANTENNA

108 ÷ 156 MHz, Single Polarization
2 dBi, 3 Inputs, Obstruction light

T01130416

POLOMARCONI.IT

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)	108 ÷ 156
Impedance (Ω)	50
VSWR	$\leq 2:1$
Continuous Max. Power (W)	200
Polarization	linear vertical
Gain (dBi)	2
HPBW ($^\circ$) - H-plane	omni ± 0.5 dB
HPBW ($^\circ$) - E-plane	80 ± 5
Isolation (dB)	
between Tx1-Tx2	≥ 27
between Tx2-Rx	≥ 40
Lightning Protection	DC grounded

DESCRIPTION:

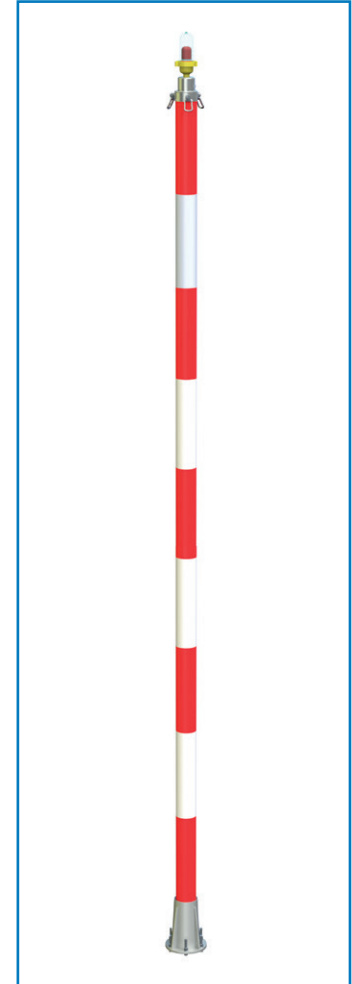
Special collinear antenna with three elements inside the radome and obstruction light on the top.

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

It's operating in VHF Band.

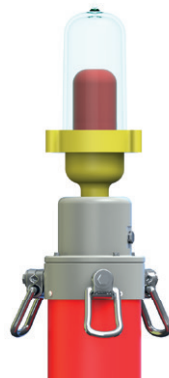
SPECIAL FEATURES:

- VHF band: 108÷156 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



Mechanical Specifications

Connectors	3 x NF
Power Connector	3+PE male
Upper Fixed Obstruction Light	Red
Dimensions (mm)	
Length	7250
Radome diameter	$\varnothing 127$
Weight (kg)	41
Wind load @ 200 km/h (N)	1500
Colour	RAL 2002 (Red) / RAL 9010 (White)
Radome material	Fiberglass
Mounting	flange $\varnothing 265$ mm
Operating Temp. Range ($^\circ\text{C}$)	-40 ÷ +70



MOUNTING FLANGE (mm)

