



# DUAL BAND UHF AND LTE OMNIDIRECTIONAL ANTENNA

453 ÷ 488 MHz and 806 ÷ 854 MHz, R-Y 011 NQ

R-4.06.014.03

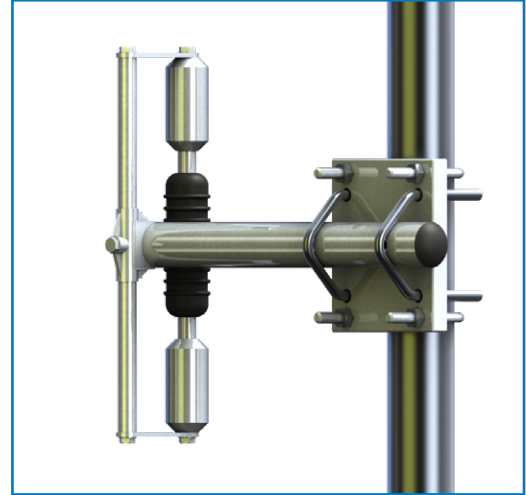
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POLOMARCONI offers a very wide range of wireless products.  
Our products can be tailored according to the customer's need.

PMR

## Electrical Specifications

Frequency band (MHz)	453 ÷ 488 806 ÷ 854
Impedance ( $\Omega$ )	50
VSWR	< 2.0:1
Maximum rated RF power (W)	150
Polarization	vertical
Gain (dBi)	3 for 453÷488MHz frequency band 2.8 for 806÷854MHz frequency band
Beamwidth -3dB	89.9° for $\phi=0^\circ$ and 76.9° for $\phi=90^\circ$ for 453÷488MHz frequency band 169.9° for $\phi=0^\circ$ and 139.9° for $\phi=90^\circ$ for 806÷854MHz frequency band
Operating Temp. Range ( $^\circ\text{C}$ )	-35 ÷ +80



## Mechanical Specifications

Connector	N f
Dimensions (mm)	280 x 315
Weight (kg)	abt.1.8
Materials	boom elements Aluminum alloy DIN 3.2315 Aluminum alloy DIN 3.2306
Mounting	on master tube with diameter 33 ÷ 60 mm
Max. wind velocity (km/h)	160
Relative humidity	95%
IP protection	IP65

## Radiation Patterns

