



DUAL BAND OMNIDIRECTIONAL UHF BASE ANTENNA

453 ÷ 488 / 806 ÷ 854 MHz

17310016
SF 48

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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

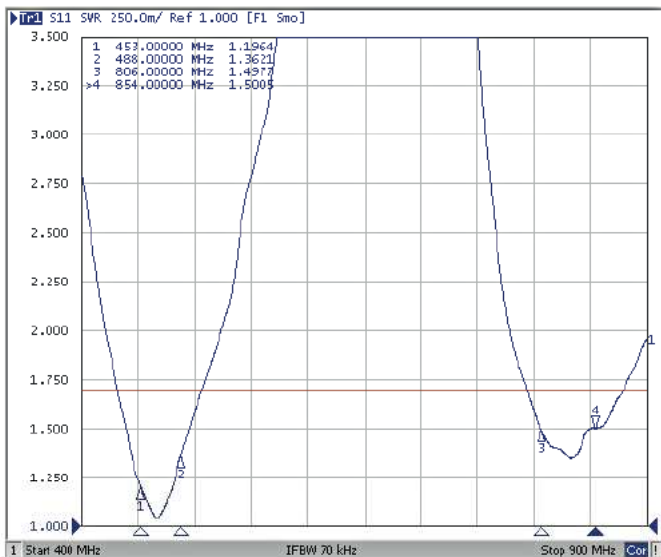
Frequency Band (MHz)	453 ÷ 488 806 ÷ 854
Impedance (Ω)	50
VSWR	< 1.7:1
Continuous Max. Power (W)	25
Polarization	Vertical
Gain (dB) over $\lambda/4$ monopole antenna	0
Operation Temp. Range ($^{\circ}\text{C}$)	-35 $^{\circ}$ ÷ +80 $^{\circ}$



Mechanical Specifications

Connector	N female (We suggest a connection with a N 90 $^{\circ}$ connector)
Dimensions (mm)	350 x 220 mm
Weight (kg)	abt. 0.8
Mounting	Ceiling
Relative humidity	95%

VSWR CURVE



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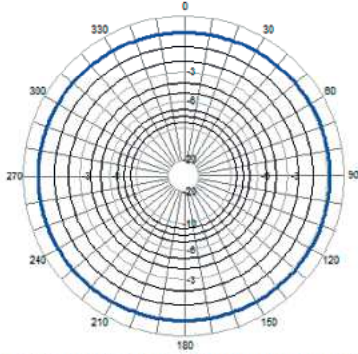
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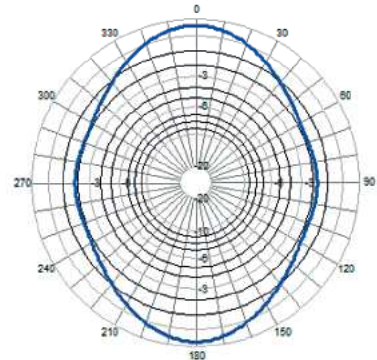
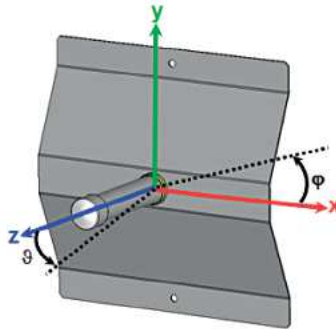
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RADIATION PATTERN (in free space condition)

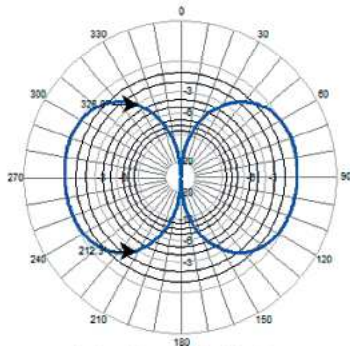


Linear polarization - Vertical component
Horizontal Plane
Freq = 473.000 MHz

Horizontal plane (H-plane) gain
Radiation pattern: $\vartheta=90^\circ$, φ variable

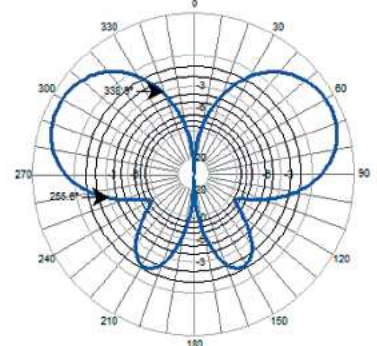
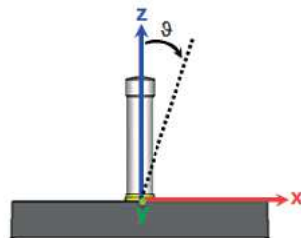


Linear polarization - Vertical component
Horizontal Plane
Freq = 830.000 MHz

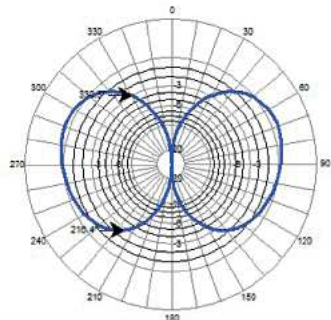


Linear polarization - Vertical component
Vertical Plane
Freq = 473.000 MHz

Vertical plane (E-plane) gain
Radiation pattern: ϑ =variable, $\varphi=0^\circ$

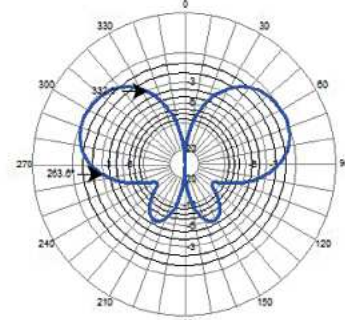
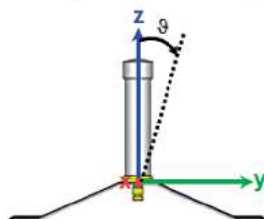


Linear polarization - Vertical component
Vertical Plane
Freq = 830.000 MHz



Linear polarization - Vertical component
Vertical Plane
Freq = 473.000 MHz

Vertical plane (E-plane) gain
Radiation pattern: ϑ =variable, $\varphi=90^\circ$



Linear polarization - Vertical component
Vertical Plane
Freq = 830.000 MHz

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