

FM Dipole Circular Polarization Antennas

PLC 4 PLC 4/H
PLC 5

These stainless steel antennas have been designed to obtain circularly polarized radiation patterns, for low and medium output power FM Radio transmitters. For easy and low cost transportation, the PLC4 models

are disassembled and packed.

The PLC 5 model is factory tuned onto any channels within 87.5 - 108 MHz according to the customer's requests.

CODE	MODEL	DESCRIPTION
F455.01	PLC4/N	Double-crossed Dipole Stainless steel, 600 W Power rate
F455	PLC4/16	Double-crossed Dipole Stainless steel, 1.5 KW Power rate
F455.02	PLC4/F	Double-crossed Dipole Stainless steel, 1.5 KW Power rate
F524.01	PLC4/H/16	Double-crossed Dipole Stainless steel, 2 KW Power rate
F524	PLC4/H/F	Double-crossed Dipole Stainless steel, 3 KW Power rate
F540	PLC5/N	Tuned Dipole Narrow Band Stainless steel, 600 W Power rate
AVAILABLE OPTIONS	F680 - Reflector for Double-Cross Dipole model PLC4 F681 - Reflector for Double-Cross Dipole model PLC4/H	



SPECIFICATIONS	PLC 4	PLC 4R	PLC 5
Rf output power	600 – 1500 - 3000 W	600 – 1500 - 3000 W	1500 W
Input Connector	N – 7/16 – 7/8	N - 7/16 - 7/8	N
Polarization	Circular	Circular	Circular
Weight	12 Kg	14 Kg	4 Kg
Gain (Referred to Half-Wave Dipole)	-1.5 dB	0 dB	-1.5 dB
H Plane - V Plane	Omnidirectional	Omnidirectional	270° - 330°
Max Wind Velocity	150 Km/h	150 Km/h	150 Km/h
Wind Load (with speed at 150Km/h)	45 Kgs.	45 Kgs.	25 Kgs.
Wind Surface	0,1 SQM	0,1 SQM	0,09 SQM
Frequency Range	87,5 ÷ 108 MHz	87,5 ÷ 108 MHz	87,5 ÷ 108 MHz
Input Impedance	50 Ohm	50 Ohm	50 Ohm
VSWR	≤ 1.4:1	≤ 1.4:1	≤ 1.4:1
Internal parts	Silver-plated brass and PTFE		
External parts	Hot Galvanized steel		
Mounting	From 60 to 120 mm diam.		
Dimensions (W x H X D) mm	1240 x 1520 x 1150	1240 x 1520 x 1150	580 x 850 x 350