



Pacific Wireless

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PAWDC24 DATA SHEET

Directional Antenna System 1700 to 2700 MHz Operation

Features

- Small Size/Reduced Shipping Cost
- 50 Ω Passive Feed Dipole
- Integrated Type N Female Connector or 24” pigtail with N Male or N Female Connector
- 24 dBi Antenna Gain; Horizontal or Vertical Polarity
- Rugged, Lightweight and Waterproof
- Heavy Duty Adjustable Tilt Bracket
- 2-Piece Powder Coat Painted Die Cast Aluminum



24dBi Antenna System*

Applications

- 2.4 GHz ISM Band Applications
- Point to Point Repeaters
- Wireless Internet Access
- MMDS Applications
- Wireless Bridges
- Streaming Video

Description

The DC24 is a directional antenna system, which incorporates a 2-piece aluminum die cast parabolic grid type antenna reflector with the PMPF, patented 50-ohm passive feed dipole. Dipoles come in 2 basic configurations, PMPF-xx with integral N type Female connector and PMPF-xxP with 24” pigtail equipped with an N type Male connector or PMPF-xxPF with an N type Female Connector. Installation is simple with the Pacific Wireless adjustable tilt “Heavy Duty” bracket that comes standard. The bracket accommodates poles from 1” up to 2.5” OD. Brackets are full galvanized for extreme corrosion protection and each reflector comes complete with stainless steel hardware and complete assembly instructions.

Specifications

Parameter	Model	Min	Typ	Max	Units
<i>Frequency Range</i>	PMPF-1 PMPF-2 PMPF-19 PMPF-18	2400 2100 1880 1750		2483 2686 1930 1850	MHz
<i>Gain</i>			24		dBi
<i>Input Return Loss (S₁₁)</i>			-14		dB
<i>VSWR</i>			1.5:1		
<i>3dB Beam Angle</i>			8		deg
<i>Cross Pole</i>			26		dB
<i>Front to Back</i>		24			dB
<i>Side Lobe</i>				-20	dB
<i>Impedance</i>			50		OHM
<i>Input Power</i>				50	W
<i>Focal Length</i>			16 (40.6)		Inch (cm)
<i>Dimension (LxW)</i>			42 (107) x 24 (61)		Inch (cm)
<i>Weight</i>			5.5 (2)		Lbs (Kgs)
<i>Pole Diameter (OD)</i>		1 (25)		2 (50)	Inch (mm)
<i>Operating Temperature</i>		-45		+70	Deg C
<i>Wind Loading:</i> 100MPH 140MPH 100MPH: ½” Radial Ice				96 (36) 188 (70) 176 (66)	Lbs (Kgs)

*Note: Pacific Wireless does not supply the mounting pole. Antenna system assembly is required.