



1700 TO 2700 MHz DIRECTIONAL DIE CAST GRID ANTENNA SYSTEM

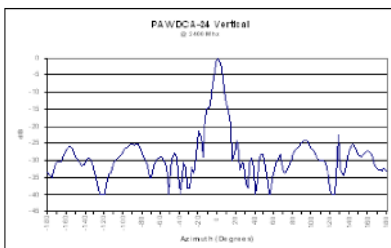
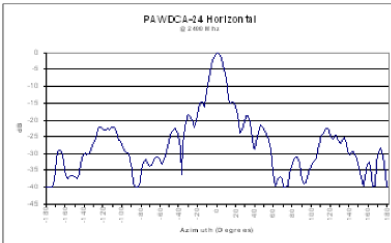
The DC24 is a directional antenna system, which incorporates a 2-piece aluminum die cast parabolic grid type antenna reflector with a patented 50-ohm passive feed dipole. Installation is simple with the Laird adjustable tilt "Heavy Duty" bracket that comes standard. The bracket accommodates poles from 1 to 2.0 inches OD. Brackets are full galvanized for extreme corrosion protection and each reflector comes complete with stainless steel hardware and complete assembly instructions. The dipole feed assembly comes with a 30 inch LMR240 pigtail terminated with an N male or N female connector. Other connector configurations are available upon request.

FEATURES

- Small size/reduced shipping cost
- 50-ohm passive feed dipole
- 30 in 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

MARKETS

- 2.4 GHz ISM band applications
- Wireless internet access
- Wireless bridges
- Point-to-point repeaters
- MMDS applications
- Streaming video
- WiMAX



FREQUENCY

RANGE MODEL	MIN	TYP	MAX	UNITS
PF-1	2400		2483	MHz
PF-2	2100		2686	MHz

SPECIFICATIONS

PARAMETER	MIN	TYP	MAX	UNITS
Gain		24		dBi
Input Return Loss (S11)		-14		dB
VSWR		1.5:1		
3 dB Beam Angle		8		deg
Cross Pole		26		dB
Front-to-Back	24			dB
Side Lobe				dB
Impedance		50		ohm
Input Power				w
Focal Length		16 (40.6)		in (cm)
Dimension (L x W)		42 x 24 (107 x 61)		in (cm)
Weight		5.5 (2)		lbs (kgs)
Pole Diameter (OD)	1 (25)		2 (50)	in (mm)
Operating Temperature	-45		+70	°C
Wind Loading 100 MPH			80.5 (36.5)	lbs (kg)
Wind Loading 140 MPH			126 (57)	lbs (kg)

SYSTEM ORDERING

DC24-HD-PF-xxxx-xx

Freq. Range

PF1 - PMPF-1 2.4 GHz ISM Band PF2
- PMPF-2 2.5 GHz MMDS Band

Feed Option

P - Pigtail with N Male connector PF -
Pigtail with N Female connector

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