

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 Technologies adjustable tilt "Heavy Duty" bracket that comes standard. The bracket accommodates poles from 1" up to 2.0" 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 30" 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" 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

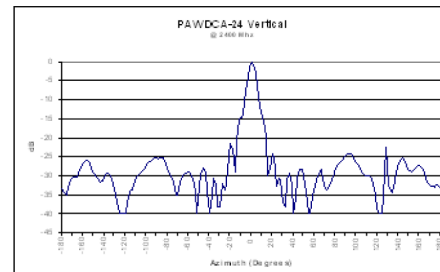
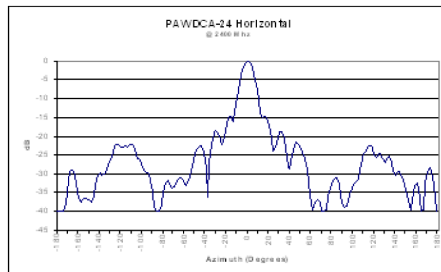
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FREQUENCY RANGE				
MODEL	MIN	TYP	MAX	UNITS
PF-1	2400		2483	MHz
PF-2	2100		2686	MHz
PF-18	1750		1850	MHz
PF-19	1880		1930	MHz
SPECIFICATIONS				
PARAMETER	MIN	TYP	MAX	UNITS
Gain		24		dBi
Input Return Loss (S11)		-14		dB
VSWR		1.5:1		
3dB Beam Angle		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	deg 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
- PF18 - PMPF-18 1.75 to 1.85 GHz
- PF19 - PMPF-19 1.88 to 1.93 GHz DECT

Feed Option

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

ANT-DS-DC24 0609

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