



### DC25: 2500 TO 2700 MHz OPERATION

The DC25 is a directional antenna system, which incorporates a two-piece aluminum die-cast parabolic grid type antenna reflector with a patented 50 ohm wideband passive feed dipole. Installation is simple with the Laird adjustable tilt “Heavy Duty” bracket that comes standard. The bracket accommodates poles from one inch up to two inches OD. Brackets are full galvanized for extreme corrosion protection and each reflector comes complete with stainless steel hardware and complete assembly instructions. Dipoles are constructed of UV protected ABS plastic and are ultrasonically sealed for long term leak protection. They have a 30 inch LMR240 pigtail cable terminated with choice of N male or N female connectors.

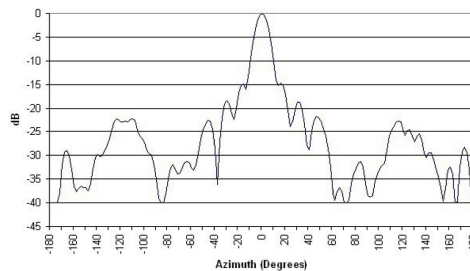
### FEATURES

- Small size/reduced shipping cost
- 50 ohm passive feed dipole
- 30 inch 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
- Two-piece powder coat painted die cast aluminum

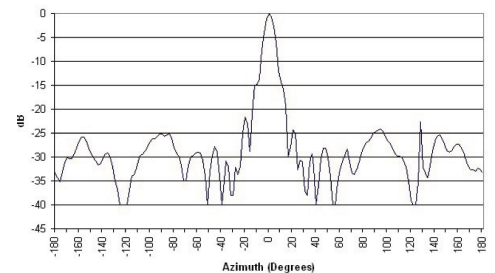
### MARKETS

- WiMAX applications
- Wireless internet access
- Wireless bridges
- Point-to-point repeaters
- MMDS applications
- Streaming video

### ANTENNA PATTERNS



DC25 Horizontal



DC25 Vertical

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### SPECIFICATIONS

PARAMETER	MIN	TYP	MAX	UNITS
Frequency Range	2500		2700	MHz
Gain		24		dBi
Input Return Loss (S11)		-14		Deg
VSWR		1.5:1		
3 dB Beam Angle		8		
Cross Pole		26		dB
Front-to-Back	24			dB
Side Lobe			-20	dB
Impedance		50		W
Focal Length		16 (40.6)		in (mm)
Dimension (L x W)		42 (107) x 24 (61)		in (mm)
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 (kgs)
140 MPH			126 (57)	

### SYSTEM ORDERING INFORMATION

DC25HDPF2P	2.5 GHz die-cast grid antenna with N male connector
DC25HDPF2PF	2.5 GHz die-cast grid antenna with N female connector

### NOTES

- All shipments F.O.B. Schaumburg, IL 60173

ANT-DS-DC25 1115

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