

PARABOLIC DISH ANTENNA

DA5x-32

Innovative **Technology** for a **Connected** World



DA58-32: 5 GHz OPERATION

The parabolic dish antenna systems offered by Laird Technologies are constructed of an aluminum alloy dish with powder coat paint finish for excellent mechanical, electrical and environmental performance. The parabolic reflector is made with a special one-step molding technology which achieves excellent consistency and long term stability. They come complete with universal galvanized steel, powder coat paint mounting system for pole mount applications. Because of its superb electrical performance and mechanical stability, the parabolic dish antenna can be used in a wide variety of high performance 5GHz wireless applications. An optional fiberglass radome is available for added environmental protection.

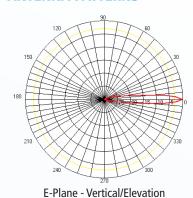
FEATURES ✓ RoHS

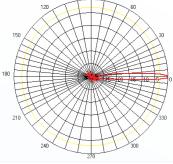
- High gain 32 dBi
- Adjustable tilt pole mount
- Vertical or horizontal polarization
- Type N female connector
- DC grounded for lightning protection
- Rugged, lightweight, and waterproof

MARKETS

- 5.8 GHz ISM band applications
- 5.3GHz UNII band applications
- Point-to-point data links
- 802.11a wireless data
- Long distance backhaul data links
- Building-to-building high speed links

ANTENNA PATTERNS





H-Plane - Horizontal/Azimuth

global solutions: local support ™

Americas: +1.847 839.6907 IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12 IAS-EUSales@lairdtech.com Asia: +1.65.6.243.8022 IAS-AsiaSales@lairdtech.com

www.lairdtech.com



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SPECIFICATIONS

PARAMETER		MIN	TYP	MAX	UNIT
Frequency range	DA58 DA57 DA53	5725 5470 5150		5850 5725 5350	MHz
Gain	DA58 DA57 DA53		32.5 32 31		dBi
Input return loss (S11)			-14		dB
VSWR			1.5:1		
3dB beam angle			4		deg
Cross pole			-34		dB
Front-to-back		38			dB
Side lobe			-30		dB
Impedance			50		ohm
Input power				100	W
Pole diameter (OD)		1.5 (38)		3.0 (76)	inch (mm)
Operating temperature		-40		+70	deg C
Rated wind velocity				125	mph
Weight			22 (10)		lbs (kg)
Dimensions (dia)			35.4 (900)		inch (mm)

SYSTEM ORDERING INFORMATION

DA58-32 32.5dBi	5.725GHz to 5.850GHz
	parabolic dish antenna
DA57-32 32dBi	5.470GHz to 5.725GHz
	parabolic dish antenna
DA53-31 31dBi	5.150GHz to 5.350GHz
	parabolic dish antenna
DA5-32 RADOME	Radome kit for 0.9M
	parabolic dish antenna

WIND LOADING (LBS.)

MODEL#	100 MPH	125 MPH
DA5x-32	100 MPH 125 MPH 100 MPH w/ ½" radial ice	256 400 258
w/ Radome	100 MPH 125 MPH 100 MPH w/ ½" radial ice	111 173 181



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



ANT-DS-DA5x-32 0809

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