



Smart Technology. Delivered.

HD SERIES™ HIGH PERFORMANCE DISH ANTENNA

HDDA3W



3300 TO 3800 MHz HIGH PERFORMANCE DISH ANTENNA

The new HD Series dish antennas offered by Laird offers the system engineer the best performance available on the market. The antennas meet ETSI EN 302.326-3 DN1-DN5 specifications, the most stringent specifications for point to point backhaul antennas. The unique feed system is available in a single polarization version which can be mounted for either vertical or horizontal polarization. There is also a dual polarized version available for those systems which can utilize dual polarization to increase bandwidth or implement diversity. An optional fiberglass radome is available for added environmental protection.

FEATURES

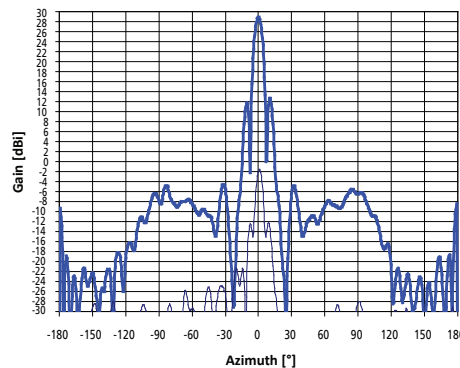
- Wide band operation
- Vertically or horizontally polarized
- Dual horizontal / vertical and dual-slant polarity models available
- Ultralow sidelobes, meets ETSI standards
- Extremely rugged for long service life in extreme environments

MARKETS

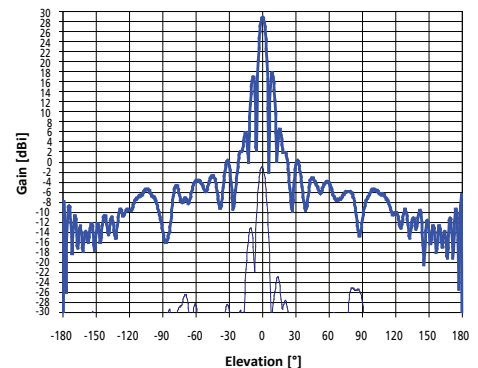
- 802.11 applications
- OFDM systems
- MIMO systems
- Cellular backhaul
- Point-to-point backhaul
- Public safety communications
- WiMAX

TYPICAL ANTENNA PATTERNS

3.6 GHz H-Plane



3.6 GHz E-Plane



Americas: +1.847 839.6907
 IAS-AmericasEastSales@lairdtech.com
 Europe: +44.1628.858941
 IAS-EUSales@lairdtech.com
 Asia: +86.21.5855.0827.127
 IAS-AsiaSales@lairdtech.com
 www.lairdtech.com

HD SERIESTM HIGH PERFORMANCE DISH ANTENNA HDDA3W

SPECIFICATIONS

| PARAMETER | MIN | TYP | MAX | UNITS |
|-------------------------------|--------|---------------------------|-----------|-----------|
| Frequency range (single pol.) | 3300 | | 3800 | MHz |
| Frequency range (dual pol.) | 3300 | | 3800 | MHz |
| VSWR (single pol.) | | 1.5:1 | 1.7:1 | |
| VSWR (dual pol.) | | 1.5:1 | 1.8:1 | |
| Impedance | | 50 | | OHM |
| Cross-pol suppression | | >30 dB | | |
| Sidelobes | | ETSI EN 302.326-3 DN1-DN5 | | |
| Input power | | | 100 | W |
| Mechanical downtilt | | | 30 | deg |
| Pole diameter (OD) | 2 (50) | | 4 (101.6) | inch (mm) |
| Operating temperature | -40 | | +70 | °C |

| PARAMETER | HDDA3W-25-xx | HDDA3W-29-xx |
|------------------------------------|------------------|------------------|
| Gain | 25 dBi | 29 dBi |
| Beamwidth | 8.5° | 6° |
| Port-to-port isolation (dual pol.) | >30 dB | >30 dB |
| Front-to-back | >30 dB | >35 dB |
| Weight | 8 kg | 10 kg |
| Dimensions (diameter) | 25.5 in (648 mm) | 36.5 in (927 mm) |

SYSTEM ORDERING

HDDA3W-25-SP 25 dBi single polarity with N female connector
 HDDA3W-25-DP 25 dBi dual polarity with N female connector
 HDDA3W-29-SP 29 dBi single polarity with N female connector
 HDDA3W-29-DP 29 dBi dual polarity with N female connector
 DA5-29RADOME Fiberglass Radome Cover for 2ft (0.3m) dish
 DA5-32RADOME Fiberglass Radome Cover for 3ft (0.6m) dish

WIND LOADING (LBS.)

| MODEL | 100MPH | 125MPH |
|-----------------------|--------|--------|
| HDDA3W-25 | 113 | 177 |
| HDDA3W-25 with Radome | 75 | 116 |
| HDDA3W-29 | 256 | 400 |
| HDDA3W-29 with Radome | 111 | 174 |



Dish antenna shown with optional radome

NOTES

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

ANT-DS-HDDA3W 0615

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.