

# ARC-DA5834SD1

ARC EXSITE™ Parabolic Dual-Pol Dish Antenna  
4.94-5.875 GHz 34dBi



Enclosure and  
cables sold  
separately

- Industry leading interference rejection design blocks all frequencies below 4.4GHz
- Robust Design meets ETSI EN300, EN302, 2003/108/EC and 2002/95/EC specifications
- High Port to Port Isolation for Ideal MIMO Performance
- Unique mounting feature for ARC enclosures, Ubiquity Rocket, etc.
- Maximum gain achieved with 70% aperture efficiency
- Dual Polarization (H & V)
- Manufactured under strict US quality control procedures
- Precise alignment achievable with the high strength pole mount bracket. *(included)*
- Optional radome available for improved environmental protection (P/N ARC-RD-2FTABS – *Sold Separately*)

## Electrical Specifications

|                 |                                       |
|-----------------|---------------------------------------|
| Frequency Range | 4.94-5.875 GHz                        |
| Gain            | 34 dBi typ                            |
| Polarization    | Dual Linear – Vertical and Horizontal |
| 3dB Beamwidth   | 4 deg                                 |
| ETSI            | EN 302 326 DN1, DN2, DN3, DN5         |
| VSWR            | ≤1.5:1 typ, ≤1.8:1 max                |

|                        |           |
|------------------------|-----------|
| Port to Port Isolation | 35dB min  |
| Front-to-Back Ratio    | >30 dB    |
| Cross Polarization     | >30 dB    |
| Power Rating           | 100 watts |
| Impedance              | 50 ohms   |
| Mechanical Downtilt    | 30 deg    |

## Physical/Environmental Specifications

|                    |                           |
|--------------------|---------------------------|
| Diameter x Depth   | 36.5 x 17.8in (93 x 45cm) |
| Weight             | 18.5 lbs (8.4kg)          |
| Reflector          | Aluminum                  |
| Outdoor Rating     | ETSI EN 300 019-2-4       |
| Wind Survivability | 125mph (201kph)           |

|                           |                                |
|---------------------------|--------------------------------|
| Wind Load (125 mph)       | 400 lbs<br>174 lbs with radome |
| Operating Temperature     | -49°F to 158°F (-45°C to 70°C) |
| Pole Mount Diameter Range | 2.0 to 4.5in (5.0 to 11.4cm)   |
| Connector (2)             | Type-N Jack                    |

### Antenna Patterns

Vertical Polarity

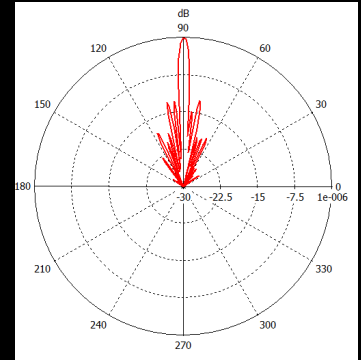
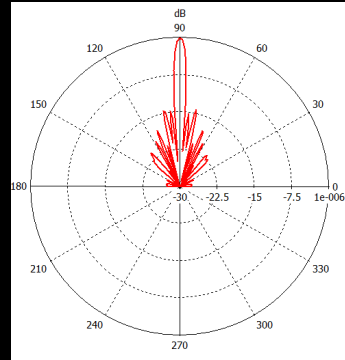
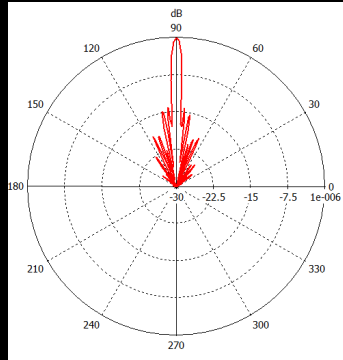
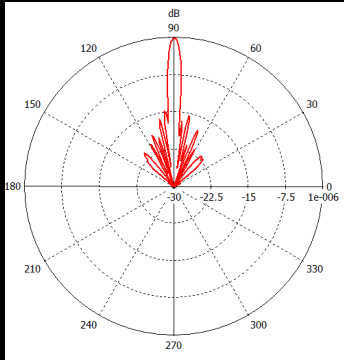
Horizontal Polarity

E-Plane

H-Plane

E-Plane

H-Plane



### Shipping Information

|                            |                                 |
|----------------------------|---------------------------------|
| Size (including bracket)   | 39 x 39 x 10in (99 x 99 x 25cm) |
| Weight (including bracket) | 25 lbs (11.5kg)                 |
| Description                | Single Pack                     |

### Ordering Information

|             |                                         |
|-------------|-----------------------------------------|
| Part Number | ARC-DA5834SD1                           |
| Description | Dish, 5.8 GHz, 34dBi, Dual Pol, Type-N, |