

The Parabolic Dish Antenna systems offered by AWS 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 a 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.



APPLICATIONS

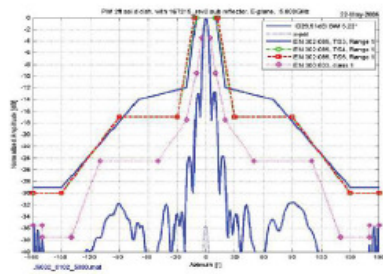
- 5.8GHz ISM Band Applications
- Point to Point Data Links
- Long Distance Backhaul Data Links
- Building to Building High Speed Links

SPECIFICATIONS

- Weight**
AWSDA5829 11 lbs (5 kg)
AWSDA5832 22 lbs (10 kg)
- Dimension (diameter)**
AWSDA5829 25.5 in (64.8 cm)
AWSDA5832 35.4 in (90.0 cm)
- Input Return Loss** -14 dB
- Antenna Frequency Range** 5725 – 5850 MHz
- Gain**
AWSDA5829 29 dBi
AWSDA5832 32 dBi
- 3dB Beam Angle**
AWSDA5829 6 degrees
AWSDA5832 4 degrees
- Polarization** Horizontal
- VSWR** 1.5 : 1
- Front to Back** > 25 dB
- Maximum Input Power** 100 W
- Impedance** 50 Ohms

INTEGRATED ANTENNA PATTERNS

5.8 GHz E-Plane



5.8 GHz H-Plane

