



AWSGD58 Parabolic Grid Antenna

22, 26, 29 dBi

The 5.8GHz parabolic grid directional antennas offered by AWS utilize a unique parabolic grid design with compact high performance feed. The antennas are constructed of welded steel wires which are galvanized and then powder coat painted with a light gray epoxy paint. The wire grid semi-parabolic design offers unsurpassed low wind loading while maintaining good RF performance. The compact low visual impact attractive styling blends well in almost any application. Mounting is simplified with the bracket system made of galvanized steel with stainless steel hardware. The antenna comes with a bulk head N Female connector standard.



SPECIFICATIONS

Weight:

AWSGD5822 3 lbs (1.4 kg)

AWSGD5826 6 lbs (2.7 kg)

AWSGD5829 11 lbs (5 kg)

Dimensions:

AWSGD5822 11.8 x 15.7 in (300 x 400 mm)

AWSGD5826 16.8 x 24 in (427 x 610 mm)

AWSGD5829 28.5 x 36 in (724 x 914 mm)

Input Return Loss -14 dB

Antenna Frequency Range 5725 – 5850 MHz

Gain 22, 26, 29 dBi

Pole Size 1 - 2 in (25 - 50 mm)

3dB Beam Angle 26 degrees

VSWR 1.5 : 1

Front to Back:

AWSGD5822 - 25 dB

AWSGD5826 - 30 dB

AWSGD5829 - 25 dB

Maximum Input Power 100 W

Impedance 50 Ohms

Operating Temperature -40°C to +70°C

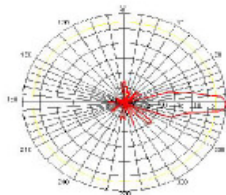
Wind Loading:

AWSGD5822 15.6 @ 125mph

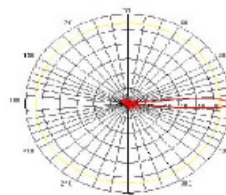
AWSGD5826 20.0 @ 100mph

AWSGD5829 41.0 @ 100 mph

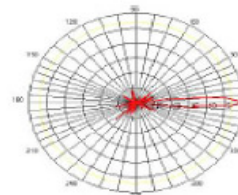
INTEGRATED ANTENNA PATTERNS



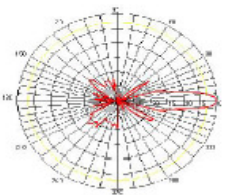
22 dBi Vertical



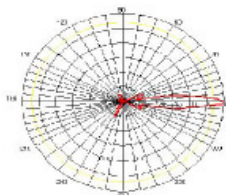
26 dBi Vertical



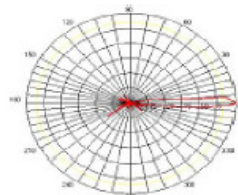
29 dBi Vertical



22 dBi Horizontal



26 dBi Horizontal



29 dBi Horizontal