

## AW3054

### 698-806MHz, Dual Polarized 90° Sector Antennas Fixed Tilt

This broadband Dual Polarized basestation antenna is designed for sectorized applications offering superior Azimuth and Elevation pattern control across the entire frequency band. These antennas are aesthetically pleasing while maintaining a rugged design.

#### Features:

Excellent Radiation Patterns  
Stable Gain across the band

#### Electrical Specifications:

|                             |                     |
|-----------------------------|---------------------|
| Frequency Range:            | 698 MHz - 806 MHz   |
| Gain:                       | 12.5 dBi            |
| Return Loss (VSWR):         | > 14dB (1.5:1)      |
| Polarisation:               | Dual Slant (+/-45°) |
| Isolation                   | >30dB               |
| Front to Back Ratio:        | >25dB               |
| Horizontal 3dB BW:          | 90°                 |
| Vertical 3dB BW:            | 17°                 |
| Upper Sidelobe Suppression: | >18dB               |
| Power Handling:             | 300W                |
| Impedance:                  | 50 Ω                |
| Electrical Downtilt:        | 4°                  |
| Ground:                     | DC Grounded         |

#### Mechanical Specifications:

|                     |                        |
|---------------------|------------------------|
| Connectors:         | 2 x N Female           |
| Connector Location: | Bottom                 |
| Dimensions (LxWxD): | 1220 x 300 x 150 mm    |
| Weight:             | 13Kg                   |
| Radome:             | UV Stabilised Styrosun |

#### Environmental Ratings:

|                        |                   |
|------------------------|-------------------|
| Rated Wind Velocity    | 200 km/h (125mph) |
| Lightening Protection: | DC Grounded       |

#### Mounting Options:

|            |                         |
|------------|-------------------------|
| Adjustable | Mounting Kit (CL-V-104) |
|------------|-------------------------|

