

DB586-Y



1-port omni antenna, 890–960 MHz, 360° HPBW, fixed electrical tilt, fits on 38–60 mm (1-1/2 to 2 3/8 in) OD pipe

- Light weight, low profile omnidirectional antenna ideal for low to moderate gain applications
- Integral dual purpose mount allows top or side mounting

General Specifications

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|--|--|
| Antenna Type | Omni |
| Band | Single band |
| Color | Horizon blue |
| Grounding Type | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Performance Note | Outdoor usage |
| Radome Material | Fiberglass, UV resistant |
| Radiator Material | Brass |
| RF Connector Interface | N Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, low band | 1 |
| RF Connector Quantity, total | 1 |

Dimensions

| | |
|---|--------------------|
| Length | 1,498.6 mm 59 in |
| Net Weight, without mounting kit | 3.6 kg 7.937 lb |
| Outer Diameter | 38.1 mm 1.5 in |

Electrical Specifications

| | |
|---------------------------------|---------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 890 – 960 MHz |
| Polarization | Vertical |

Electrical Specifications

| | |
|-------------------------------|----------------|
| Frequency Band, MHz | 890–960 |
| Gain, dBi | 8.1 |
| Beamwidth, Horizontal, | 360 |

DB586-Y

degrees

| | |
|---|------------|
| Beamwidth, Vertical, degrees | 18 |
| Beam Tilt, degrees | 0 |
| VSWR Return loss, dB | 1.5 14.0 |
| PIM, 5th Order, 2 x 20 W, dBc | -153 |
| Input Power per Port, maximum, watts | 400 |

Mechanical Specifications

| | |
|---|---------------------------------------|
| Wind Loading @ Velocity, maximum | 89.4 N @ 100 mph (20.1 lbf @ 100 mph) |
| Wind Speed, maximum | 201 km/h (125 mph) |

Packaging and Weights

| | |
|-----------------|---------|
| Included | V-bolts |
|-----------------|---------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CE | Compliant with the relevant CE product directives |
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



* Footnotes

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|-------------------------|---|
| Performance Note | Severe environmental conditions may degrade optimum performance |
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