

DB809KE-XT



1-port omni antenna, 806–869 MHz, 360° HPBW, fixed electrical tilt

- Omnidirectional antenna
- Rugged, durable design, heavy duty radome for minimum tip deflection
- Invert mountable

General Specifications

| | |
|--|--|
| 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 | 7-16 DIN Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, low band | 1 |
| RF Connector Quantity, total | 1 |

Dimensions

| | |
|---|----------------------|
| Length | 3708 mm 145.984 in |
| Net Weight, without mounting kit | 12 kg 26.455 lb |
| Outer Diameter | 76 mm 2.992 in |

Electrical Specifications

| | |
|---------------------------------|---------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 806 – 869 MHz |
| Polarization | Vertical |

Electrical Specifications

| | |
|-------------------------------|----------------|
| Frequency Band, MHz | 806–869 |
| Gain, dBi | 11.1 |
| Beamwidth, Horizontal, | 360 |

DB809KE-XT

degrees

| | |
|---|------------|
| Beamwidth, Vertical, degrees | 8 |
| Beam Tilt, degrees | 0 |
| VSWR Return loss, dB | 1.5 14.0 |
| PIM, 5th Order, 2 x 20 W, dBc | -150 |
| Input Power per Port, maximum, watts | 500 |

Mechanical Specifications

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|---|--|
| Wind Loading @ Velocity, maximum | 364.8 N @ 100 mph (82.0 lbf @ 100 mph) |
| Wind Speed, maximum | 362 km/h (225 mph) |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Above 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/Exempted |
| UK-ROHS | Compliant/Exempted |



Included Products

| | |
|----------|---|
| DB5091-3 | – Pipe Mounting Kit for 3.5 in (88.9 mm) OD round members |
|----------|---|

* Footnotes

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

DB5091-3



Pipe Mounting Kit for 3.5 in (88.9 mm) OD round members

Product Classification

Product Type Pipe mount kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 88.9 mm | 3.5 in

Compatible Diameter, minimum 33 mm | 1.299 in

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware | Pipe

Packaging quantity 2

Weight, gross 13.2 kg | 29.101 lb

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system

