

DB812KE-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

OBSOLETE

This product was discontinued on: March 27, 2020

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	7449 mm 293.268 in
Net Weight, without mounting kit	32.1 kg 70.768 lb
Outer Diameter	76 mm 2.992 in

Electrical Specifications

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

DB812KE-XT

Electrical Specifications

Frequency Band, MHz	806–869
Gain, dBi	14.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	3
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

Wind Loading @ Velocity, maximum	774.0 N @ 100 mph (174.0 lbf @ 100 mph)
Wind Speed, maximum	241 km/h (150 mph)

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

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

Performance Note	Severe environmental conditions may degrade optimum performance
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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

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