



1-port omni antenna, 870–960 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: June 1, 2017

### Replaced By

DB810KE-SY

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## Electrical Specifications

Frequency Band, MHz	870–960
Gain, dBi	11.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	8.0
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
Polarization	Vertical
Impedance	50 ohm

## General Specifications

Operating Frequency Band	870 – 960 MHz
Antenna Type	Omni
Band	Single band
Performance Note	Outdoor usage

## Mechanical Specifications

RF Connector Quantity, total	1
RF Connector Quantity, low band	1
RF Connector Interface	7-16 DIN Female
Color	Horizon blue
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Brass

# DB809KE-SY

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<b>Radome Material</b>	Fiberglass, UV resistant
<b>RF Connector Location</b>	Bottom
<b>Wind Loading, maximum</b>	338.1 N @ 100 mph 76.0 lbf @ 100 mph
<b>Wind Speed, maximum</b>	322 km/h   200 mph

## Dimensions

<b>Length</b>	3454.0 mm   136.0 in
<b>Outer Diameter</b>	76.0 mm   3.0 in
<b>Net Weight, without mounting kit</b>	11.8 kg   26.0 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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

## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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