

# NH65T-DG-F0



2-port small cell antenna, 2x (698-896 and 1710–2180 MHz), 65° HPBW, fixed electrical tilt, with internal diplexer and active GPS L1 band antenna.

## OBSOLETE

This product was discontinued on: March 31, 2021

## General Specifications

<b>Antenna Type</b>	Small Cell
<b>Band</b>	Multiband
<b>Color</b>	Light Gray (RAL 7035)
<b>GPS Connector Interface</b>	4.1-9.5 DIN Female
<b>GPS Connector Quantity</b>	1
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Internal GPS frequency band</b>	1,575.42 MHz
<b>Internal GPS VSWR</b>	2
<b>Performance Note</b>	Outdoor usage   Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Aluminum   Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, diplexed low and mid bands</b>	2
<b>RF Connector Quantity, total</b>	2

## Dimensions

<b>Width</b>	301 mm   11.85 in
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<b>Depth</b>	181 mm   7.126 in
<b>Length</b>	389 mm   15.315 in
<b>Net Weight, without mounting kit</b>	4.7 kg   10.362 lb

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2180 MHz   698 – 896 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	150 W @ 50 °C

## Electrical Specifications

Frequency Band, MHz	698–806	806–896	1710–1880	1850–1990	1920–2180
<b>Gain, dBi</b>	7.7	8.2	11.6	11.6	11.5
<b>Beamwidth, Horizontal, degrees</b>	75	66	53	55	55
<b>Beamwidth, Vertical, degrees</b>	73.7	66.9	32.5	31	29
<b>Beam Tilt, degrees</b>	5	5	0	0	0
<b>Front-to-Back Ratio at 180°, dB</b>	20	20	34	36	30
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25
<b>VSWR   Return loss, dB</b>	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153	-153
<b>Input Power per Port at 50°C, maximum, watts</b>	75	75	75	75	75

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	52.0 N @ 150 km/h (11.7 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, lateral</b>	39.0 N @ 150 km/h (8.8 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	101.0 N @ 150 km/h (22.7 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	53.0 N @ 150 km/h (11.9 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	409 mm   16.102 in
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<b>Depth, packed</b>	299 mm   11.772 in
<b>Length, packed</b>	576 mm   22.677 in
<b>Weight, gross</b>	8.7 kg   19.18 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

DB380-SINGLE	-	Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes only one clamp set and uses double nuts.
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## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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# DB380-SINGLE

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Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes only one clamp set and uses double nuts.

## Product Classification

**Product Type** Pipe mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 114.3 mm | 4.5 in

**Compatible Diameter, minimum** 61 mm | 2.402 in

**Weight, net** 2.8 kg | 6.173 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 3 kg | 6.614 lb

## Regulatory Compliance/Certifications

Agency	Classification
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

