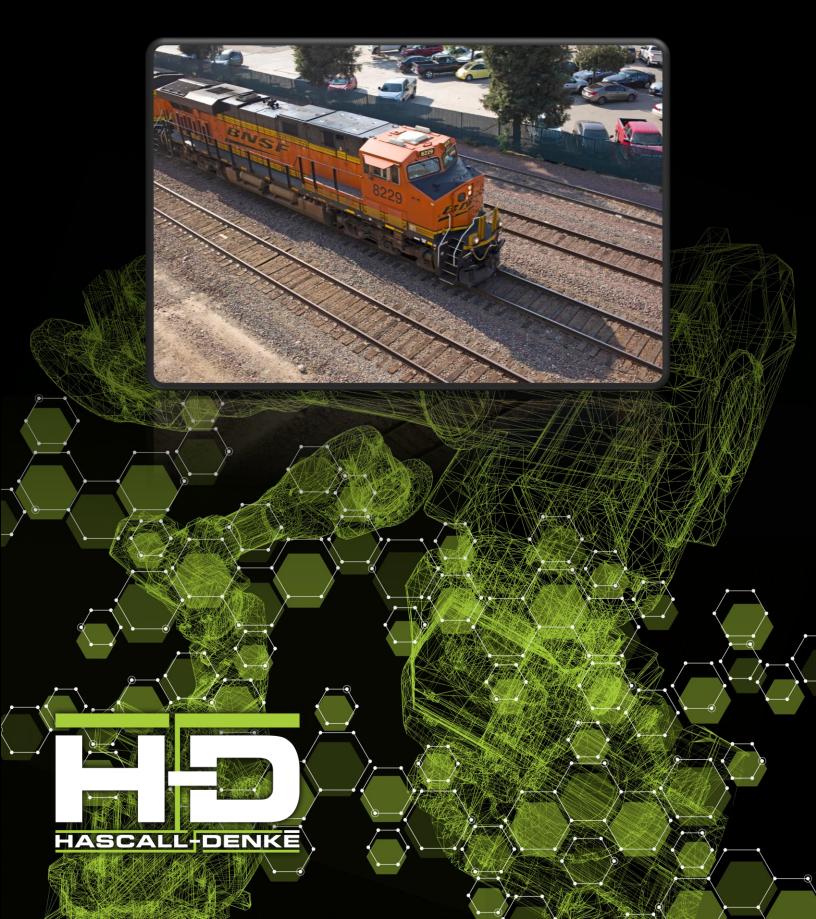
Commercial





Railroad Antenna





The LB44R railroad antenna is designed to be used in commercial railroad applications such as: PTC "Positive Train Control", yard/fleet maintenance, and rail service agencies.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- Low VSWR
- Shock & Vibration rated: EN 61373, MIL-810G, & IEEE 1478

Mounting Bracket sold separately.



Railroad Antenna

Specifications

ELECTRICAL:

Frequency Range: 43-47 MHz

Gain: 1.0 dBi

VSWR: < 2.0:1

Input Impedance: 50 Ω Nominal

Power: 100 Watts Max

Polarization: Vertical

Radiation Pattern: Azimuth: 360°

Elevation: 68°

Input Connector: Type N Female

MECHANICAL:

Overall Height: 91 in. (2.31 m)

Radome Diameter: 1.75 in. (45 mm) OD

Net Weight: 7 lb. (3.18 kg)

13 lb. (5.90 kg) With Mount

Maximum Wind Load: 130 mph (209 km/h)

Operational Temps: -40° to +185°F

(-40° to +85°C)

Color: Off White (Other colors available.)

Water Intrusion: Gas Pass (Vented)

Shock & Vibration: EN 61373, MIL-810G, IEEE 1478

Mounting: HDM001 (1Y09250) Fits Mast Pipe

Dia. 2" - 3" (50.8 - 76.2 mm)

^{**}All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.

^{**}Specifications are subject to change without prior notice.



Fleet Commander VHF & GPS





The MVDP150-162-GPS antenna is designed to be used in commercial, military, or private fleet communication systems where reliability is needed most. This antenna works with all radios within the 150-162 MHz band and 1575.42 GPS band.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance. It has two separate cable inputs, one for the VHF radio and the other for the GPS.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- Dual Input
- Low VSWR
- Built for Shock & Vibration
- Fleet Ready
- Simple Installation



Fleet Commander VHF & GPS

Specifications

ELECTRICAL:

Frequency Range: 150-162 MHz (VHF)

1575.42 MHz (GPS)

Gain: $3.0 \sim 5.0 \text{ dBi (VHF)}$

30 dBi (GPS)

Operating Voltage: $3 \sim 5V$ (GPS)

VSWR: < 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 100 Watts

Polarization: Vertical (VHF)

Right Hand Circular (GPS)

Input Connector: Type SMA Male

MECHANICAL:

Overall Height: 6 in. (152 mm)

Diameter: 4.4 in. (112 mm) OD

Net Weight: 1 lb. (0.45 kg)

Maximum Wind Load: 150 mph (241 km/h)

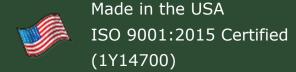
Operational Temps: -40° to +185°F

 $(-40^{\circ} to +85^{\circ}C)$

Color: Black (Other colors available.)

Mounting: 4X 1/4-28UNF Threaded Holes

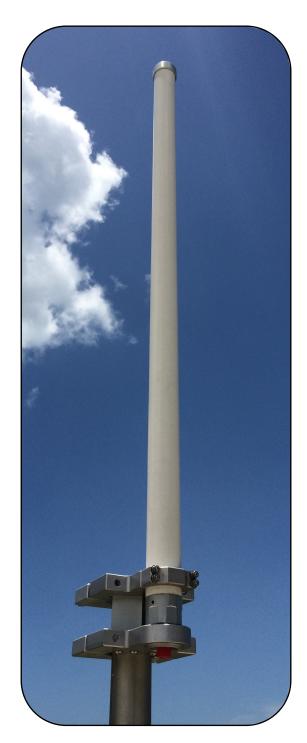
^{**}Specifications are subject to change without prior notice.



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The FXCL152-180antenna is designed to be used in public safety, commercial, military and other applications where reliability is needed most. This antenna works with all radios within the 152-180 MHz band.

Being "ground independent", this antenna can be used on all types of structures (metal or non-metal) with no degradation in performance.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome double reinforced at the base and is constructed from corrosion resistant materials for reliability in the harshest environments.

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Specifications

ELECTRICAL:

Frequency Range: 152-180 MHz

Gain: 3 dBi

VSWR: 1.5:1 Typical

Input Impedance: 50 Ω Nominal

Power: 150 Watts

Polarization: Vertical

Radiation Pattern: Azimuth: 360°

Elevation: 20°

Input Connector: Type N Female

MECHANICAL:

Overall Height: 78 in. (1.98 m)

Radome Diameter: 2 in. (50 mm)

Maximum Wind Load: 150 mph (241 km/h)

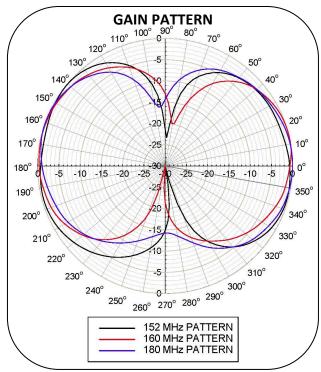
Net Weight: 4 lb. (1.54 kg)

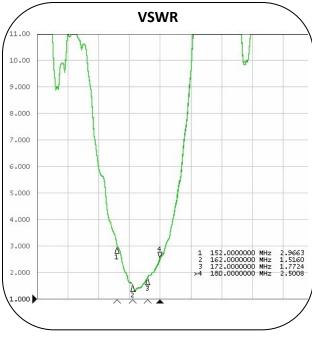
Operational Temps: -40° to +185°F

 $(-40^{\circ} \text{ to } +85^{\circ}\text{C})$

Color: White

Mount: HDM001





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^{**}Specifications are subject to change without prior notice.



Search and Rescue Antenna



The FXCL155-3 antenna is designed to be used in search and rescue, forestry, and other rugged environment applications. This antenna works with all radios at the 155.34 MHz band.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- Low VSWR
- Shock & Vibration rated: EN 61373, MIL -810G, & IEEE 1478

Mounting Bracket sold separately.



Search and Rescue Antenna

Specifications

ELECTRICAL:

Frequency Range: 155.34 MHz +/- 5 MHz

Gain: 3.0 dBi +/-0.5

VSWR: <2.0:1

Input Impedance: 50 Ω Nominal

Power: 100 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°

Elevation: 68°

Input Connector: Type N Female

MECHANICAL:

Overall Height: 70 in. (2.44 m)

Radome Diameter: 1.75 in. (45 mm) OD

Net Weight: 7.5 lb. (3.40 kg)

13.5 lb. (6.12 kg) With Mount

Maximum Wind Load: 130 mph (209 km/h)

Operational Temps: -40° to +185°F

(-40° to +85°C)

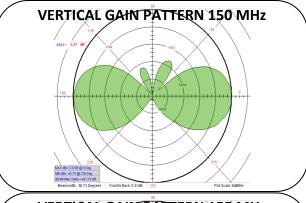
Color: Off White (Other colors available.)

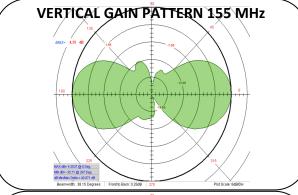
Water Intrusion: Gas Pass (Vented)

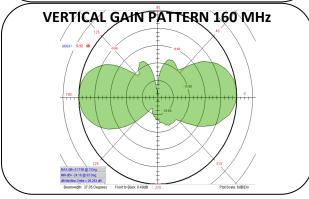
Shock & Vibration: EN 61373, MIL-810G, IEEE 1478

Mounting: HDM002 (1Y09300) Fits Mast Pipe

Dia. 2" - 3" (50.8 - 76.2 mm)







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^{**}Specifications are subject to change without prior notice.



HDMO Rail Master Omni Antenna





The HDMO217-223 antenna is designed to be used in commercial, military and other applications where reliability is needed most. This antenna works with all radios within the 217-223 MHz band

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials reliability in the harshest environments.

Low VSWR

• Shock & Vibration: EN 61373, MIL-810G, **IEEE 1478**

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• Ingress Protection: IP67

Mounting Bracket sold separately.



HDMO Rail Master Omni Antenna

Specifications

ELECTRICAL:

Frequency Range: 217-223 MHz

Gain: > Unity Typical

VSWR: < 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 100 Watts Max

Polarization: Vertical Linear

Input Connector: NMO

MECHANICAL:

Overall Height: 4.5 in. (114 mm)

Diameter: 2.6 in. (66 mm) OD

Net Weight: 1 lb. (0.45 kg)

Operational Temps: -40° to +185°F

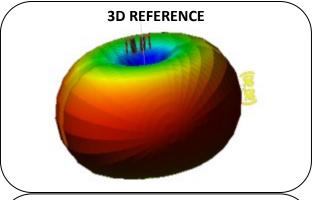
(-40° to +85°C)

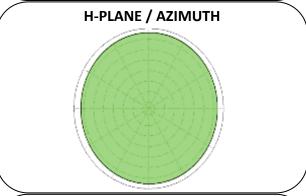
Shock & Vibration: EN 61373, MIL-810G, IEEE 1478

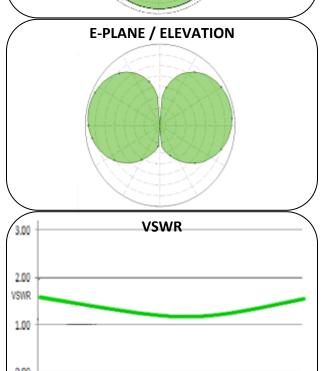
Ingress Protection: IP67

Color: Black/Green/Tan/Grey

Mounting: NMO







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^{**}Specifications are subject to change without prior notice.



Made in the USA

ISO 9001:20 Certified

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EOT Antenna #TTA450ES-2



The TTA450ES-2 antenna is designed to be used in commercial, military or private fleet communication systems where reliability is needed most. This antenna works with all radios within the 445-465 MHz band.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- Low VSWR
- High Strength Xenoy Radome
- Built for Shock & Vibration
- Simple Installation









Made in the USA
ISO 9001:2015 Certified
(1Y10650)

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EOT Antenna #TTA450ES-2

Specifications

ELECTRICAL:

Frequency Range: 445-465 MHz

Gain: 1.0 dBi Over Ground Plane

VSWR: 1.5:1 Typical

Input Impedance: 50 Ω Nominal

Polarization: Vertical

Input Connector: NMO

MECHANICAL:

Overall Height: 4 in. (101 mm)

Diameter: 1.5 in. (38.1 mm) OD

Maximum Wind Load: 150 mph (241 km/h)

Net Weight: 0.4 lb. (0.19 kg)

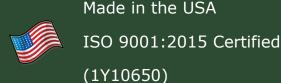
Operational Temps: -40° to +185°F

(-40° to +85°C)

Color: Black (Other colors available.)

Mounting: NMO

^{**}Specifications are subject to change without prior notice.



^{**}All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.



Fleet Commander UHF & GPS





The MVDP450-464-GPS antenna is designed to be used in commercial, military, or private fleet communication systems where reliability is needed most. This antenna works with all radios within the 450-464 MHz band and 1575.42 GPS band plus Glonass.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance. It has two separate cable inputs, one for the UHF radio and the other for the GPS.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- Dual Input
- Low VSWR
- Built for Shock & Vibration
- Fleet Ready
- Simple Installation



Fleet Commander UHF & GPS

Specifications

ELECTRICAL:

Frequency Range: 450 - 464 MHz (UHF)

1575.42 MHz (GPS)

Gain: $3.0 \sim 5.0 \text{ dBi (UHF)}$

30 dBi (GPS)

Operating Voltage: $3 \sim 5V$ (GPS)

VSWR: < 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 100 Watts

Polarization: Vertical (UHF)

Right Hand Circular (GPS)

Input Connector: Type SMA Female

MECHANICAL:

Overall Height: 6.45 in. (164 mm)

Diameter: 2.6 in. (66 mm) OD

Net Weight: 0.4 lb. (0.19 kg)

Maximum Wind Load: 150 mph (241 km/h)

Operational Temps: -40° to +185°F

 $(-40^{\circ} to +85^{\circ}C)$

Color: Black (Other colors available.)

Mounting: NMO Thru UNF Threaded Base X4

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^{**}All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.

^{**}Specifications are subject to change without prior notice.





The FXCL460-480 antenna is designed to be used in public safety, commercial, military and other applications where reliability is needed most. This antenna works with all radios within the 460-480 MHz band.

Being "ground independent", this antenna can be used on all types of structures (metal or non-metal) with no degradation in performance.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome double reinforced at the base and is constructed from corrosion resistant materials for reliability in the harshest environments.



Specifications

ELECTRICAL:

Frequency Range: 460-480 MHz

Gain: 5 dBi

VSWR: < 1.5:1 Typical

Input Impedance: 50 Ω Nominal

Power: 150 Watts

Polarization: Vertical

Radiation Pattern: Azimuth: 360°

Elevation: 16°

Input Connector: Type N Female

MECHANICAL:

Overall Height: 44 in. (1.12 m)

Radome Diameter: 2 in. (50.8 mm)

Maximum Wind Load: 150 mph (241 km/h)

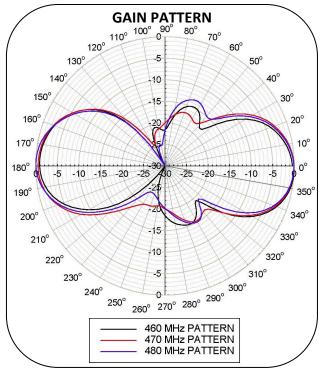
Net Weight: 2.5 lb. (1.2 kg) Max

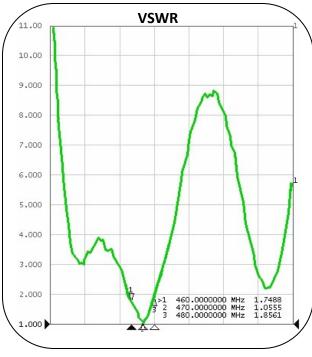
Operational Temps: -40° to +185°F

 $(-40^{\circ} \text{ to } +85^{\circ}\text{C})$

Color: White

Mounts: HDM001





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^{**}Specifications are subject to change without prior notice.



Industrial MIMO Antenna



The FXMIMO698-2700 antenna is designed to be used in commercial, military, or private fleet communication systems where reliability is needed most. This antenna works with all radios within the 698-2700 MHz band.

This antenna is designed for high durability and reliability when high quality communication is required.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- Dual Input MIMO
- Locomotive Ready
- High Quality Reception
- High Strength Xenoy Radome
- Heavy Duty Base
- Built for Shock, Vibration, & Temp
- Simple Installation
- Pass Thru NMO (For Mounting)

NMO-T Pass Thru Mount sold separately.



Industrial MIMO Antenna

Specifications

ELECTRICAL:

Frequency Range: 698-2700 MHz (Each Input)

Gain: $2.0 \sim 4.0 \text{ dBi +/-} .5$

VSWR: < 2.0:1 Typical (In Bands)

Input Impedance: 50 Ω Nominal

Polarization: Vertical

Input Connector: (2) Type SMA Male

Coax: RF195

Coax Length: 1 ft. (.30 m) Standard

(Other Lengths Available)

MECHANICAL:

Overall Height: 4.5 in. (114 mm)

Diameter: 2.6 in. (66 mm) OD

Net Weight: 0.4 lb. (0.19 kg)

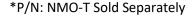
Maximum Wind Load: 150 mph (241 km/h)

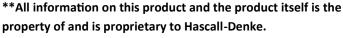
Operational Temps: -40° to +185°F

 $(-40^{\circ} \text{ to } +85^{\circ}\text{C})$

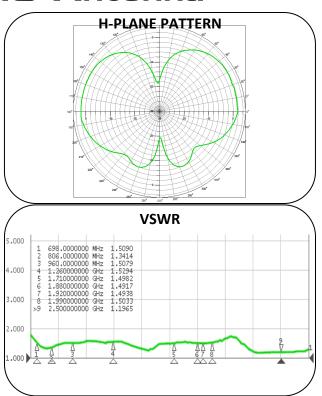
Color: Black (Other colors available.)

Mounting: NMO Pass Thru*

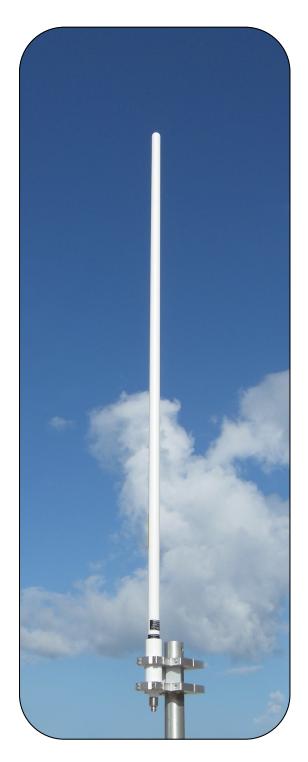




^{**}Specifications are subject to change without prior notice.







The FXCL750-800-9 antenna is designed to be used in military, commercial, and other applications where reliability is needed most. This antenna works with all radios within the 750-800 MHz band.

Being "ground independent", this antenna can be used on all types of structures (metal or non-metal) with degradation no performance.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome double reinforced at the base and is constructed from corrosion resistant materials for reliability in the harshest environments.



Specifications

ELECTRICAL:

Frequency Range: 750-800 MHz

Gain: 9 dBi +/-.5

VSWR: 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 25 Watts

Polarization: Vertical

Radiation Pattern: Azimuth: 360°

Elevation: 20°

Input Connector: Type N Female

MECHANICAL:

Overall Height: 75 in. (1.9 m)

Radome Diameter: 1.25 in. (31.8 mm)

Maximum Wind Load: 150 mph (241 km/h)

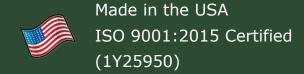
Net Weight: 3.4 lb. (1.54 kg)

Operational Temps: -40° to +185°F

 $(-40^{\circ} \text{ to } +85^{\circ}\text{C})$

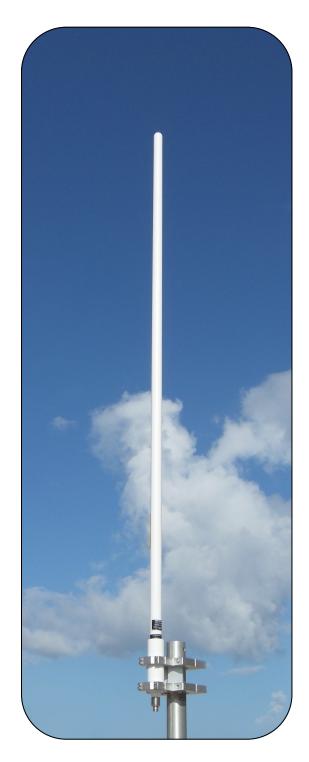
Color: White

^{**}Specifications are subject to change without prior notice.



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Made in the USA

ISO 9001:2015 Certified

The FXCL870-960-8 antenna is designed to be used in military, commercial, and other applications where reliability is needed most. This antenna works with all radios within the 870-960 MHz band.

Being "ground independent", this antenna can be used on all types of structures (metal or non-metal) with no degradation in performance.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome double reinforced at the base and is constructed from corrosion resistant materials for reliability in the harshest environments.



Specifications

ELECTRICAL:

Frequency Range: 870-960 MHz

Gain: 8 dBi

VSWR: < 1.5:1 Typical

Intermodulation: -150 dBc

Input Impedance: 50 Ω Nominal

Power: 100 Watts, Max Input Optional: 500 Watts, Max Input*

Polarization: Vertical

Radiation Pattern: Azimuth: 360°

Elevation: 16°

Input Connector: Type N Female

MECHANICAL:

Overall Height: 60 in. (1.5 m)

Radome Diameter: 2 in. (50.8 mm)

Maximum Wind Load: 150 mph (241 km/h)

Net Weight: 12 lb. (5.44 kg) Max

Operational Temps: -40° to +185°F

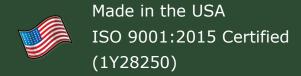
 $(-40^{\circ} \text{ to } +85^{\circ}\text{C})$

Color: White

Mounts: UM008

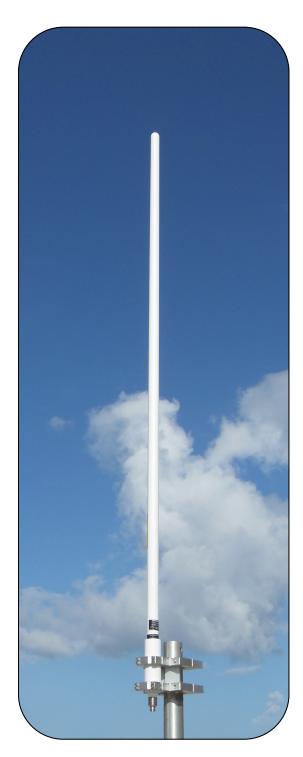
500 Watt Option: FXCL870-960-8AB (1Y28350)

^{**}Specifications are subject to change without prior notice.



^{**}All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.





Made in the USA

ISO 9001:2015 Certified

The FXCL870-960-11 antenna is designed to be used in military, commercial, and other applications where reliability is needed most. This antenna works with all radios within the 870-960 MHz band.

Being "ground independent", this antenna can be used on all types of structures (metal or non-metal) with no degradation in performance.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome double reinforced at the base and is constructed from corrosion resistant materials for reliability in the harshest environments.



Specifications

ELECTRICAL:

Frequency Range: 870-960 MHz

Gain: 11 dBi

VSWR: < 1.5:1 Typical

Intermodulation: -150 dBc

Input Impedance: 50 Ω Nominal

Power: 100 Watts, Max Input Optional: 500 Watts, Max Input

Polarization: Vertical

Radiation Pattern: Azimuth: 360°

Elevation: 8°

Input Connector: Type N Female

MECHANICAL:

Overall Height: 128 in. (3.3 m)

Radome Diameter: 2 in. (50.8 mm)

Maximum Wind Load: 150 mph (241 km/h)

Net Weight: 17 lb. (7.7 kg) Max

Operational Temps: -40° to +185°F

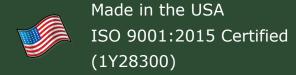
 $(-40^{\circ} \text{ to } +85^{\circ}\text{C})$

Color: White

Mounts: UM008

500 Watt Option: FXCL870-960-11AB (1Y28300)

^{**}Specifications are subject to change without prior notice.



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Made in the USA

ISO 9001:2015 Certified

The MVDPXMS antenna is designed to be used in commercial, military, private and other communication systems where reliability is needed most. This antenna works with all radios within the Sirius/XM and GPS bands.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments. The base of the antenna has two separate TNC inputs, One for the Sirius/XM radio, the other for the GPS.

- High Quality Reception
- High Strength Xenoy Radome
- Heavy Duty Base Plate
- Built for Shock & Vibration
- Sirius/XM & GPS

UM004AB Mounting Bracket sold separately.



Specifications

ELECTRICAL:

Frequency Range: 1575.42 / 1602 MHz (GPS)

2320-2360 MHz (Sirius/XM)

Gain: 34 dB (GPS)

34 dB (Sirius/XM)

VSWR: < 2.0:1 Typical

Operating Voltage: $3 \sim 5 \text{ V (GPS)}$

Input Impedance: 50 Ω Nominal

Polarization: Right Hand Circular

Input Connector: (2) Type TNC Female

MECHANICAL:

Overall Height: 6 in. (152 mm)

Diameter: 4.4 in. (112 mm) OD

Net Weight: 1 lb. (0.45 kg)

Maximum Wind Load: 150 mph (241 km/h)

Operational Temps: -40° to +185°F

(-40° to +85°C)

Color: Black (Other colors available.)

Mounting: 2X 1/4-28UNF Threaded Holes

in Base or UM004AB Mounting

Bracket (sold separately).

^{**}All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.

^{**}Specifications are subject to change without prior notice.







Made in the USA

ISO 9001:2015 Certified

The MVDPXMS antenna is designed to be used in commercial, military, private and other communication systems where reliability is needed most. This antenna works with all radios within the Sirius/XM and GPS-GLONASS bands.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments. The base of the antenna has two separate TNC inputs, One for the Sirius/XM radio, the other for the GPS.

- High Quality Reception
- High Strength Xenoy Radome
- Heavy Duty Base Plate
- Built for Shock & Vibration
- Sirius/XM & GPS-GLONASS

UM004AB Mounting Bracket sold separately.



Specifications

ELECTRICAL:

Frequency Range: 1575.42 / 1602 MHz (GPS)

2320-2360 MHz (Sirius/XM)

Gain: 34 dB (GPS)

34 dB (Sirius/XM)

VSWR: < 2.0:1 Typical

Operating Voltage: $3 \sim 5 \text{ V (GPS)}$

Input Impedance: 50 Ω Nominal

Polarization: Right Hand Circular

Input Connector: (2) Type TNC Female

MECHANICAL:

Overall Height: 6 in. (152 mm)

Diameter: 4.4 in. (112 mm) OD

Net Weight: 1 lb. (0.45 kg)

Maximum Wind Load: 150 mph (241 km/h)

Operational Temps: -40° to +185°F

(-40° to +85°C)

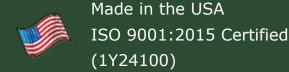
Color: Black (Other colors available.)

Mounting: 2X 1/4-28UNF Threaded Holes

in Base or UM004AB Mounting

Bracket (sold separately).

^{**}Specifications are subject to change without prior notice.



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GPS & Timing Antenna







The HD-GPS-TIMING antenna covers the GPS L1, GLONASS L1 and SBAS (WAAS, EGNOS, & MSAS) bands from 1575-1606 MHz. It can be ordered in an NMO mount or with a threaded section for pass thru mounting with a pigtail.

The antenna has a two stage low noise amplifier (LNA) with a mid-section SAW filter. It can be ordered with a tight pre-filter for protection against saturation by high level sub-harmonics and L-Band signals.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

Applications Include:

- Military & Private Security
- Law Enforcement & Public Safety
- PTC / Rail
- Mining, Construction & Agriculture
- Fleet Management & Asset Tracking

Benefits Include:

- Increase System Accuracy
- High Signal to Noise Ratio
- Strong out of Band Rejection
- RoHS Compliant



GPS & Timing Antenna

Specifications

ELECTRICAL:

Frequency Range: 1575-1606 MHz

LNA Gain: 28 dB +/-.5

Antenna Gain: 4.5 dBic (with 100mm ground plane.)

Axial Ratio: ≤ 4 dB @ 1590 MHz, 8 dB typical @ band edges.

VSWR: < 1.5:1 Typical

Polarization: RHCP

Input Impedance: 50 Ω Nominal

Power: 2.5 to 16 VDC

Supply Current: 10 mA max.

ESD Circuit Protection: 15 kV air discharge

Input Connector: NMO or SMA Male (Others Available)

MECHANICAL:

Overall Height: 1.88 in. (48 mm) NMO

0.92 in. (24 mm) Surface Mount

Overall Diameter: 2.13 in. (54 mm)

Maximum Wind Load: 125 mph (201 km/h)

Net Weight: 5 oz. (142 g)

Operational Temps: -40° to $+185^{\circ}$ F (-40° to $+85^{\circ}$ C)

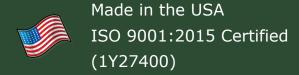
Color: Black/Green/Tan/Grey/White

Coax Length: Specified at time of purchase.

Mounting: NMO

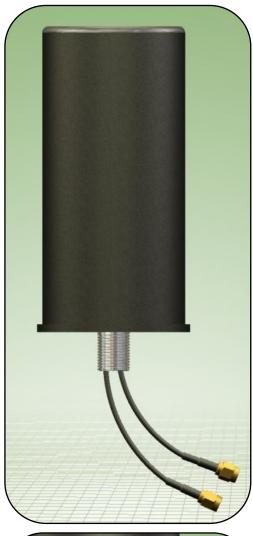
Deck Mount/Surface Mag Base Available

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Made in the USA

ISO 9001:2015 Certified

Hascall-Denke leads the market with state of the art military designs that are now available to the commercial industry.

The MVDP4.4-5.0-6-DAB is a low profile antenna that supports extreme high volume data rates, equal bit data streams and true dual polarization. Utilizing two separate inputs, ground plane independence, and superior isolation this antenna has the best overall beam width per size for on the move connection reliability and forward looking to the next node.

- True Dual Polarization
- Vertical & Horizontal Inputs
- Supports Equal Bit Data Streams
- Next Node Connection
- Forward Looking
- Superior Port-to-Port Isolation
- Ground Plane Independence
- Low Profile
- Fixed or Mobile

 Ask us about our Access Point Antennas (Horizontal and Vertical Combination)



Specifications

ELECTRICAL:

Frequency Ranges: 4400-5000MHz

Gain: 6 dBi +/- .5

VSWR: < 2:1

Input Impedance: 50 Ω Nominal

Power: 20 Watts Max

Polarization: Dual (Vertical & Horizontal)

Radiation Pattern: Azimuth: Omni

Elevation: 30°

Input Connector x2: Type N, SMA, (others available)

MECHANICAL:

Overall Height: 5.9 in. (149mm)

Width: 2.75 in. (69mm)

Net Weight: 1 lbs. (.45kg)

Compliance: Built to meet: MIL-STD-810F

Color: White, Gray, Black

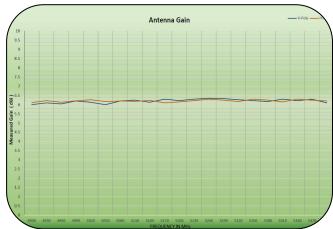
Other colors available

Mounting: Stainless Stud W/Nut

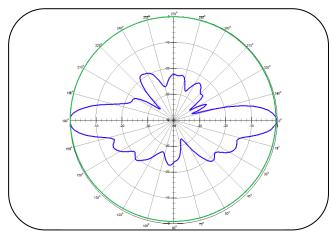
(requires .625-.75 thru hole)

Windloading: 175 Mph





Antenna Patterns



Antenna VSWR



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Made in the USA

ISO 9001:2015 Certified

Hascall-Denke leads the market with state of the art military designs that are now available to the commercial industry.

The MVDP4.4-6.0-7-D is a low profile antenna that supports extreme high volume data rates, equal bit data streams and true dual polarization. Utilizing two separate inputs, ground plane independence, and superior isolation this antenna has the best overall beam width per size for on the move connection reliability and forward looking to the next node.

- True Dual Polarization
- Vertical & Horizontal Inputs
- Supports Equal Bit Data Streams
- Next Node Connection
- Forward Looking
- Superior Port-to-Port Isolation
- Ground Plane Independence
- Low Profile
- Fixed or Mobile

• Ask us about our Access Point Antennas (Horizontal and Vertical Combination)



Specifications

ELECTRICAL:

Frequency Ranges: 4400-6000 MHz

Gain: 7 dBi +/- .5

VSWR: < 2:1

Input Impedance: 50 Ω Nominal

Power: 20 Watts Max

Polarization: Dual (Vertical & Horizontal)

Radiation Pattern: Azimuth: Omni

Elevation: 30°

Input Connector x2: SMA Male (others available)

MECHANICAL:

Net Weight:

Overall Height: 10 in. (254mm) Width: 2.75 in. (70mm)

Compliance: Built to meet: MIL-STD-810F

2 lbs. (.45kg)

Color: White, Gray, Black

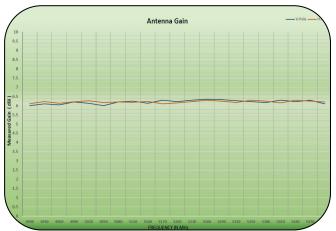
Other colors available

Mounting: Stainless Stud W/Nut

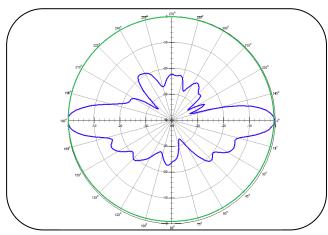
(requires .625-.75 thru hole)

Windloading: 175 Mph

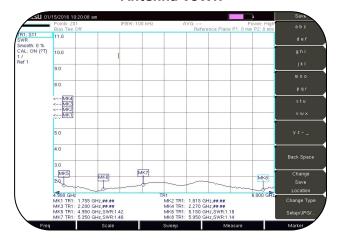




Antenna Patterns



Antenna VSWR



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Hascall-Denke leads the market with state of the art military designs that are now available to the commercial industry.

The MVDP4.9-6.0-6-D is a low profile antenna that supports extreme high volume data rates, equal bit data streams and true dual polarization. Utilizing two separate inputs, ground plane independence, and superior isolation this antenna has the best overall beam width per size for on the move connection reliability and forward looking to the next node.

- True Dual Polarization
- Vertical & Horizontal Inputs
- Supports Equal Bit Data Streams
- Next Node Connection
- Forward Looking
- Superior Port-to-Port Isolation
- Ground Plane Independence
- Low Profile
- Fixed or Mobile

 Ask us about our Access Point Antennas (Horizontal and Vertical Combination)



Specifications

ELECTRICAL:

Frequency Ranges: 4900-6000 MHz

Gain: 6 dBi +/- .5

VSWR: < 2:1

Input Impedance: 50 Ω Nominal

Power: 20 Watts Max

Polarization: Dual (Vertical & Horizontal)

Radiation Pattern: Azimuth: Omni

Elevation: 30°

Input Connector x2: Type N, SMA, (others available)

MECHANICAL:

Overall Height: 5.9 in. (149mm)

Width: 2.75 in. (69mm)

Net Weight: 1 lbs. (.45kg)

Compliance: Built to meet: MIL-STD-810F

Color: White, Gray, Black

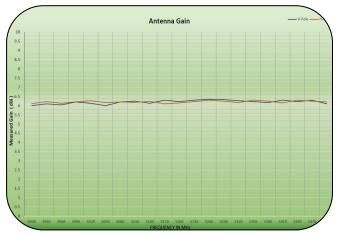
Other colors available

Mounting: Stainless Stud W/Nut

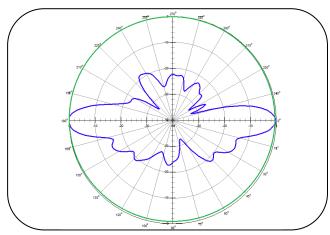
(requires .625-.75 thru hole)

Windloading: 175 Mph





Antenna Patterns



Antenna VSWR



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