

Mobile Vehicular Antenna

100-400 MHz

P/N MVMP100X4
(NSN: 5985-01-452-5851)

Broadband communications for vehicular applications presents a difficult and complex problem in antenna design. The MVMP100X4 was developed to meet the rigors of military tactical environments and provide reliable communications under the most adverse conditions.

The primary parameters for the design of the MVMP100X4 were as follows:

- Optimum Gain for 100 thru 400 MHz
- Low Profile for Minimum Physical Signature
- Low VSWR (< 2.5:1)
- Survivability in Hostile Environments
- Ground Independence (IE. To perform on fiberglass as well as metal surfaces)

A radiator is encased in a durable fiberglass radome and attached to the base matching unit by a heavy duty stainless steel coil spring. Both the radiator and base matching unit are pressure filled with a structural thermoset foam for maximum strength. The spring is coated with black oxide and the aluminum base flange is black anodized. The entire antenna is over coated with a matte black two-part urethane.

Optimum performance is realized when the MDB001 is used with UM002 universal vehicular antenna mount. The antenna is easy to install using the (6 ea) 1/4" S-S cap screws provided with the UM002 mount. The bolt holes are evenly spaced on a 3-1/16" circle. The Type-N Female connector is recessed in the base mounting flange for mechanical and environmental protection.

UM002 mounting bracket not included.

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

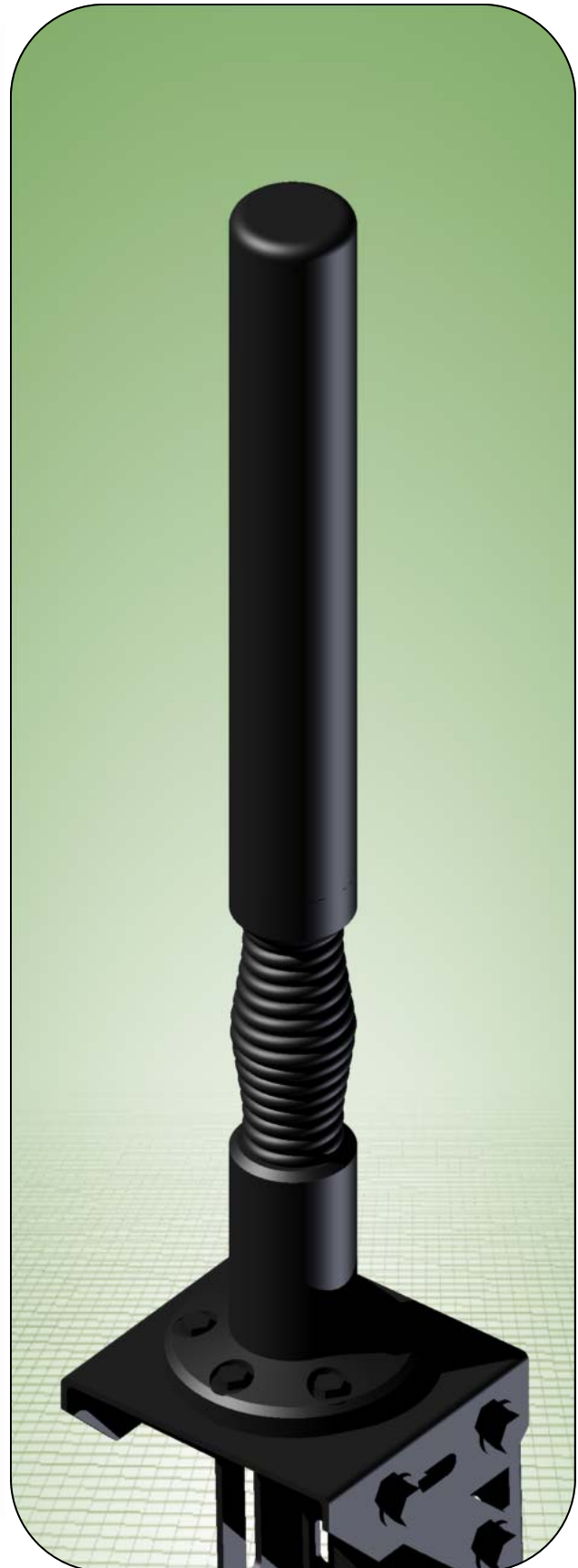
HASCALL-DENKE

P.O. Box 909, Palmetto, Florida 34220-0909

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www.hascall-denke.com

Form F042, Rev: _



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Specifications

ELECTRICAL:

Frequency Range:
100-400 MHz

Gain: Unity

VSWR:

< 2.5:1 Typical

3.0:1 Maximum

Input Impedance: 50 OHM

Power: 50 Watts CW & PEP

Polarization: Vertical

Pattern Radiation:

Horizontal: 360 Degrees

Vertical: 90 Degrees

Input Connector:

Type N Female

MECHANICAL:

Overall Height:

20 Inches

0.51 Meters

Net Weight:

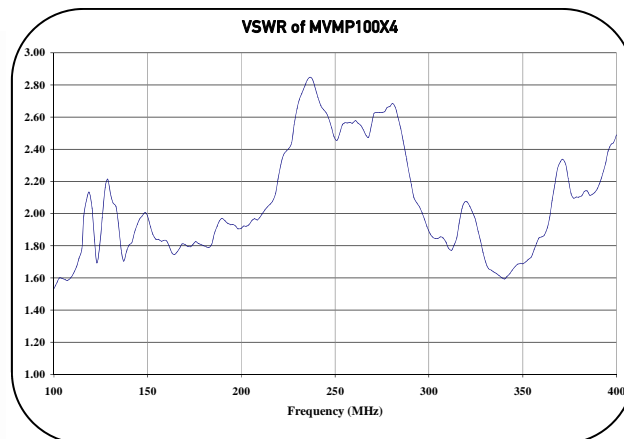
4 LBS

1.81 KG

Color: Black

Mounting:

Six each, 1/4" holes equally spaced on a
3.0625" diameter circle.



****Specifications are subject to change
without prior notice.**

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