HARRIS®

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RF-3184-AT320

UHF VEHICULAR DIPOLE ANTENNA, 225 TO 450 MHZ



The RF-3184-AT320 UHF antenna is an omnidirectional, center-fed dipole antenna for use with the AN/PRC-117F, AN/PRC-117G, RF-7800M-MP, RF-5800M and AN/VRC-103 Falcon II® and Falcon III® radio systems. It bolts directly to the Harris RF-292 Universal Antenna Mount or a NATO standard 4.5-inch bolt circle found on most military vehicles. The RF connection is Type N (female) and it is located in the antenna base.

The antenna consists of a spring base and fiberglass encased dipole radiator. Rated at 100 watts of power, the RF-3184-AT320 does not require a ground plane or tuning electronics.

The complete package includes the antenna assembly and mounting hardware. The RF-292 Universal Mount or other mounting hardware must be ordered separately.



Electrical

- **Frequency Range**
  225 - 450 MHz
- **RF Power Capacity**
  100 watts
- **Input Impedance**
  50 ohms nominal
- **Radiation Pattern**
  Omnidirectional in azimuth,
  see radiation pattern below
- **Polarization**
  Linearly polarized, relative to 50 ohms
- **VSWR**
  < 3.0:1, relative to 50 ohms
- **Gain**
  +0 dBi

Environmental

- **Meets MIL-STD-810F**

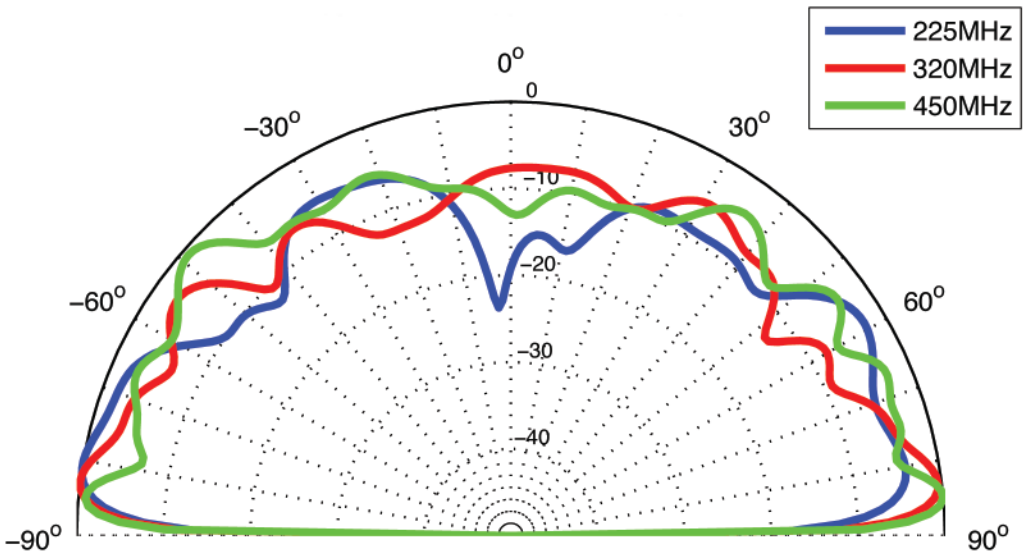
Mechanical

- **RF Connector**
  Type N female
- **Length**
  35 inches (88.9 cm)
- **Weight**
  6.1 lbs. (2.77 kg)
- **Color**
  RF-3184-AT320: 383 Green
  RF-3184-AT324: 686 Tan
- **Mounting**
  Four 0.5-inch holes, equally spaced around a
  4.5-inch bolt circle
- **Hardware Included**

  (4) 3/8 - 24 X 2-inch bolts
  (4) 3/8 - 16 X 2.5-inch bolts
  (4) 3/8 - 16 nuts
  (4) 3/8 lock washers
  (8) 3/8 flat washers
  (1) 12.5-inch ground strap
  (1) rubber gasket

Features

- **Rugged, high quality construction**
- **Easily installs on vehicle or shelter**
- **Ground plane and tuning electronics not required**
- **Immersion to 2m depth**



RF-3184 Typical Radiation Pattern when mounted on corner of HMWVV

Specifications are subject to change without notice.

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