

**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<sup>®</sup> and Falcon III<sup>®</sup> 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.



## Specifications for the RF-3184-AT320

### 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

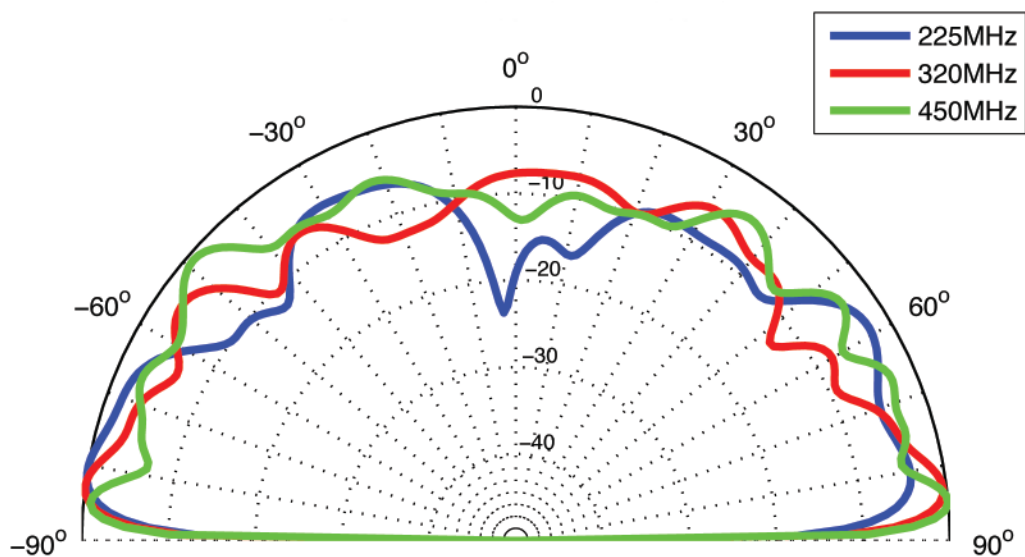
### Mechanical

- **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 HMWV

Specifications are subject to change without notice.