



L3HARRIS™
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RF-7800W-AT206

Omni-directional Antenna

ELECTRICAL	
Frequency Range	4.4 to 5.875 GHz
Gain	8 dBi (nominal)
Impedance	50 Ohms (nominal)
Polarization	Dual Linear (horizontal and vertical)
VSWR	2.2:1 max
Radiation Pattern	360° beamwidth (H and V) 8 ft elevation
Port to Port	>30 dB isolation
Cross Polarization	>20 dB separation

PHYSICAL	
Dimensions	31 H x 5.3 W x 1.77 D in (78.7 H x 13.5 W x 4.5 D cm)
Antenna Weight	3.3 lbs (1.5 kg)
Color	FED-STD-595C Green
Antenna Mount	Bracket mount
RF Connector	Type N female (2)

ENVIRONMENTAL	
Temperature	-40°F to 140°F (-40°C to 60°C) MIL-STD-810G (operational)
Relative Humidity	95% MIL-STD-810G
Vibration	Cat 5 Loose Cargo MIL-STD-810G
Shock	MIL-STD-810G
Salt Fog	MIL-STD-810G
Sand and Dust	MIL-STD-810G
Wind	125 MPH (201 KPH)



The Harris RF-7800W-AT206 Omni-directional Antenna is engineered to get the most gain for its size and weight. Lightweight and easy to use, this antenna is ideal for rapid deployment during mobile operations with communications ranges up to 25 km. The RF-7800W-AT206 covers frequency ranges of 4.4 to 5.875 GHz, including NATO Band IV, public safety, ISM and various unlicensed bands. This versatile solution has two RF feeds, is horizontally and vertically polarized and supports the Multiple Input, Multiple Output function of the L3Harris Falcon III® Multimission High-Capacity Line-Of-Sight Radio.

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