

RF-3080-AT001**ANTENNA, PORTABLE****UHF SATCOM****ANTENNA****(240-400 MHZ)**

The Harris RF-3080-AT001 antenna provides maximum UHF SATCOM performance from a 6.3 lb package. Its crossed Yagi antenna design in a partially assembled package allows rapid deployment and directional high gain radiation pattern. The frequency range of this antenna is 240 to 400 MHz. The entire antenna is stored in an 18.5 x 6 x 6 inch package making it easy to transport.

The Harris RF-3080-AT001 antenna includes: Feed System with reflector, two sets of directors, tripod, two coaxials, and a carry bag. The unique foldable design allows the antenna to fit into a lightweight small-volume carry bag.

The circular polarized narrow beam width is achieved by an internal hybrid matching network that feed the two flat dipole elements. The reflector, behind the fed elements that have eight radial arms, reflect energy from the drive elements. The six director's elements, partially assembled in crossed pairs of three, help focus the beam into a narrow radiation pattern and increase the gain. The antenna can work with only one director set, or without either of the director sets. Doing so increases the frequency bandwidth and decreases the gain.



Electrical

Frequency Range	240 to 400 MHz
Polarization	Right hand circular
Impedance	50 ohm (nominal)
RF Output	1.5:1
Gain	+11 dBic (240 to 318 MHz)
Power Rating	200 W. Continuous
Hybrid Balun	Passive
Radiation Pattern	60° beam

Features

- Lightweight
- High Gain
- Easy to assemble
- Easy to direct radiation pattern towards different satellites
- Circular polarization

Mechanical

Dimensions	18.5 x 6 x 6 inches (packaged) 40 x 24 x 24 inches (deployed)
Weight	6.3 lbs (2.9 kg)
RF Connector	BNC male
Color	Black
Wind Rating	70 mph
Temperature Operating	-30° to 70° C
Mounting	Included Tripod

Specifications are subject to change without notice.



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