

222 MHz HO LOOP



SPECIFICATIONS

Model	222 HO LOOP
Frequency range	220-224 MHz
Gain, Typical @ 10 ft.	4.75 dBd @ 7°
Gain 2, Stk @ 82 & 132"	8.2 dBd @ 9°
Polarity	Horizontal Omno
Impedance	50 ohms, unbal
Power Handling	800W, stack: 1.5kW
Connector	SO-239
Mounting	3/8-24 (std mobile hdwe)
Vehicle Mounting Height	18" or more.
Stacking Separation	33" to 36"
Wind Area	0.02 sq. ft.
Weight	12 oz (UPS or MAIL OK)

FEATURES

The new 222 MHz HO loop provides easy SSB and CW communications out to 200 miles or more. HO LOOPS produces an omnidirectional, HORIZONTALLY polarized signal ideal for mobile and base operations. Horizontal polarity permits the HO loop to pick up 5+dB of ground gain that verticals can't. As with most horizontally polarized antennas, performance improves dramatically with height above ground. By stacking two HO LOOPS, another big gain jump occurs (see pattern and note great reduction of high angle lobes). HO LOOPS do not need a counterpoise, so mounting options are simplified.

Physically, the 222 HO loop is a 7.75" square, size loop, fabricated from two 3/8" dia. aluminum tubes to minimize losses. The sealed feed block provides weather protection with minimum wind drag. The heart of this unique design is the shorted stub matching to a 50 ohm coaxial feedline. Mounting is via a single 3/8" hole that is standard for most mobile hardware.

For enhanced performance, try the HO LOOP-STACK PACKAGE: 2 HO LOOPS, phasing lines, "T" junction block, upper and lower 1/2 " and 5/8" mast sections. For easy base-station installation use the optimal wall / mast mounting bracket and U-bolts. For a powerful mobile signal, stack an array of HO loops on our optional "BIG FOOT", mag-mount (shown above). Use, the optional 5" magnet and 18" mast for single band mobile operation.