

F-3990-A, F-3990-B

This VHF antenna is designed for applications that require peak performance in the 136-174 MHz while tolerating a VSWR around 2.0:1.

This antenna has a loading coil between the radiating element and the base. This coil increases the electrical length and makes the antenna perform electrically as a 1/4 wave antenna, but shorter than a regular 1/4 wave antenna. Typical gain, when mounted on a ground plane, is comparable to a full 1/4 wave. Mounts on a standard NMO.

The upper element is made from a brass wound cable with a flexible shaft core, well sealed using rubber shrink material. This solution offers a high reliability and prevents breakage or brittleness.

Other frequencies are available upon request.

Electrical Specifications	F-3990-A	F-3990-B
Frequency, MHz	140	173.53
Gain, dBd	0	0
Impedance, Ohms	50	50
Power Rating, Watts	75	75
VSWR	2.0:1 VSWR	2.0:1 VSWR
Mechanical Specifications	F-3990-A	F-3990-B
Antenna's height	13" brass wound cable with flexible shaft	9.75" brass wound cable with flexible shaft
Base	<ul style="list-style-type: none"> • ABS, Ultrasonic brass insert • Adapter available for a hand set 	
Mounting	<ul style="list-style-type: none"> • Ground Plane for unity gain • No Ground Plane- in this case the gain will depend on the environment 	



F-3990-A (left)

F-3990-B (right)

