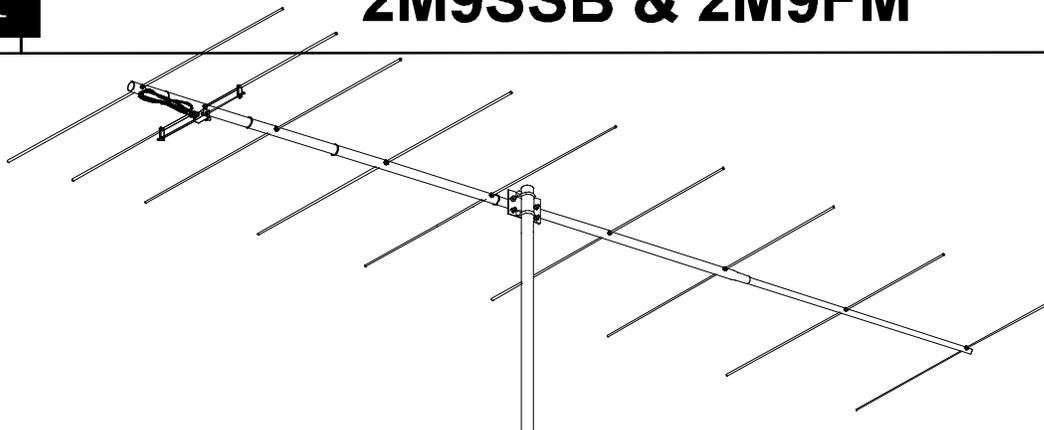




## 2M9SSB & 2M9FM



### SPECIFICATIONS:

MODEL NUMBER..... 2M9FM OR 2M9SSB  
FREQ. RANGE..... 2M9SSB=144-146 MHz  
..... 2M9FM=145-148 MHz  
GAIN..... 12.0 dBd  
VSWR..... 1.4:1 and BETTER  
FRONT TO BACK..... 24 dB  
BEAMWIDTH, DEG..... E=35 / H=40  
STACKING DISTANCE..... E=9'6", H=10'

FEED / CONNECTOR..... 50 OHMS, "N" FEM.  
POWER HANDLING..... 1500 WATTS  
BOOM LENGTH / DIA..... 14' 6" / 1" & 3/4"  
NO. OF ELEMENTS..... 9  
TURN RADIUS..... 8'  
MAST / MOUNTING..... UP TO 2" / H OR V  
WIND LOAD / SURVIVAL..... 1.2 SQ FT / 100 MPH  
WEIGHT..... 6 LBS

### FEATURES:

Up to the minute design using a state-of-the-art computer optimization program to deliver **the most gain for boom length of any antenna on the market**. Each model's performance is optimized for a specific mode and frequency range, with no compromises to achieve unneeded bandwidth: the 2M9SSB covers 144-146 MHz and the 2M9FM covers 145-148 MHz. Where do you want to make yourself heard?

Both models are ideal building blocks for a small turning radius, high-gain stacked array. Two horizontally polarized, vertically stacked 2M9SSB's yield the same gain (14.8 dBd) as M<sup>2</sup>'s 33 ft 2M5WL, but with about 1/2 the turning radius (8' - great for QTH's that won't permit a long boom yagi). The 2M9FM can be stacked on a crossboom for the same gain increases, and the turning radius is still a very manageable 10 ft.

The heart of these antennas is a driven element module originally designed for maritime ATS satellite service. All connectors are O-ring sealed to the CNC machined block. Internal connections are sealed with a space-age silicone gel with nearly 4 times the dielectric strength of air. The balun connectors are triple sealed on the coax and nut-sealed at the block connectors. The type "N" feed connector uses a gold-plated, beryllium copper center pin.

Elements are 6061-T6 3/16" solid rod with UV stabilized polyethylene Button insulators and stainless steel keepers. Thousands of these type elements are in amateur and commercial service with NO failures! Booms are constructed of 6063-T832 aluminum alloy tubing with close-tolerance swaged joints. Other key electrical and mechanical components are CNC machined for accuracy and durability. All hardware is stainless steel except the U-bolts. For uncompromising performance and long term electrical / mechanical integrity, the 2M9SSB and 2M9FM are unmatched.