2 meter Circular Polarized Satellite Yagi

Model No. 2M-5ELSat
Price-$209.00

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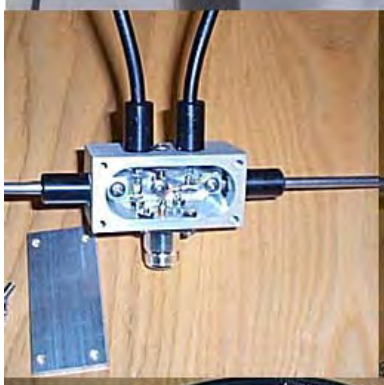

Polarity reversing unit measures 3 1/16" wide by 2 3/16' high by 2" wide.

Ultra rugged box enclosure machined from a solid piece of aluminum rectangular stock. Walls are 1/8" thick, bottom 1/4".

call or e-mail for pricing.
unit requires 12 vdc. pigtail wired from back,
user supplies own connector.

Specifications:

Boom Length-92"
Boom dia. -3/4" square x 1/8" wall thickness
No. of elements-5 vertical 5 horizontal
Freq. range-145-146.5 MHZ
Feed Point Impedence-50 Ohms
Power Handling-1000 watts
Forward Gain-8.30 dbdc
Front to Back ratio-24 db
Beamwidth Azimuth @ 3db- 52.0 degrees
Beamwidth Elevation@ 3db-67.0 degrees
Mast mounting dia. 1 1/4" to 2" dia.

This is designed for satellite operation and has circular polarization. Both sets of elements optimized in satellite band. The elements are spaced 1/4 wavelength on the boom and then fed with two phasing cables each cut to 3/4 electrical wavelength in the center of the satellite band and produces circular polarization. Unit is supplied with phasing lines and T connector. Antenna is constructed of the finest materials, 6061 corrosion resistant aluminum. Elements are 3/16" dia. except for the driven element which is 1/4" dia. (solid rods). Uses superior T match system and coaxial balun (Times Microwave LMR 240) for 50 ohm balanced load. Unit is CAD designed for the mechanical structure and computer optimized for electrical characteristics. These antennas are constructed with the utmost precesion. assuring you of top performance. All hardware is stainless steel except for the U bolts which are zinc plated. Antenna is designed to last indefinately while giving superior performance. Uses unique element block to fasten the element rods to the boom. Each block is fastened with two 8-32 machine screws and the rod is held in the block with a 10-24 machine screw. The threaded hole is tapped using a forming tap which displaces and forms the threads as opposed to cutting as conventional taps. Results are much storonger threads.

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