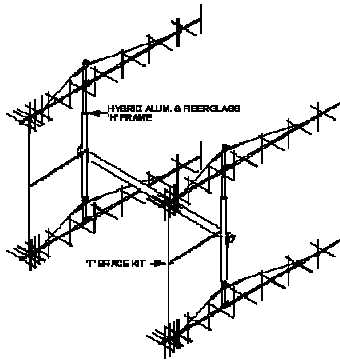


2MXP20



SPECIFICATIONS

Model	2MXP20
Frequency range	144MHz 146 MHz
Gain	13.3 dBd
Gain of 4 spaced 156"	19.3 dBd
G/T single / four	-8.05 / -.2.04
Beamwidth	E=30 H=31.5"
Polarity	Vertical and Horizontal
Front to Back	20 dB Typical
VSWR	1.2:1 typical
Feed impedance/Conn	50 Ohms unbal / "N"
Power Handling	1.5 KW
Turning radius (1)	146 inches
Stacking Distance	144-152 inches
Boom length	260 inches
Boom Diameter	1-1/2, Tapering to 1"
Elements / type	18 / 3/16" Alum Rod
Wind Area / Survival	1.9 sq. ft.
Weight / ShipWt.	6lb. / 8 lb. UPS

FEATURES

This dual polarized Yagi was computer designed for the serious Moonbouncer and satellite buff with a small yard, limited turning radius or the Yen to go portable and yet perform like a home station. The good G/T is a result of low side and back lobes and the design has been optimized for stacking (see patterns). This antenna is remarkable in that the stacking gain for four antennas can exceed 6 dB. Even using a single Horizontal/Vertical relay, You have a moonbounce package that can outperform larger, linear arrays. Additional relay switching providing 4 different types of discrete receiving polarizations: Horizontal, Vertical, Right Orthogonal, and left Othogonal bring you near peak on all signals. Losses from spatial polarity and Faraday rotation virtually disappear. EME reliability approaches 100%. M2 provides the building blocks for a whole new generation of high performance EME arrays. Check out all the following optional items available to complete your system. Brazed and sealed airline power divider, Phase matched phasing lines of the new low loss light weight LMR-400 and 600, brace kits, Hybrid fiberglass and aluminum H frames kits, OR2800 AZ rotator, our NEW powerful, light weight *MT1000 all worm drive elevation rotator, and RC2800P controllers with RS232 for SKYMOON or NOVA auto tracking capability.