



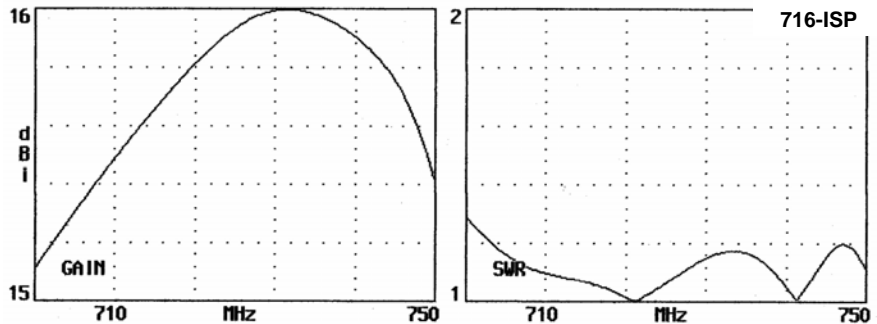
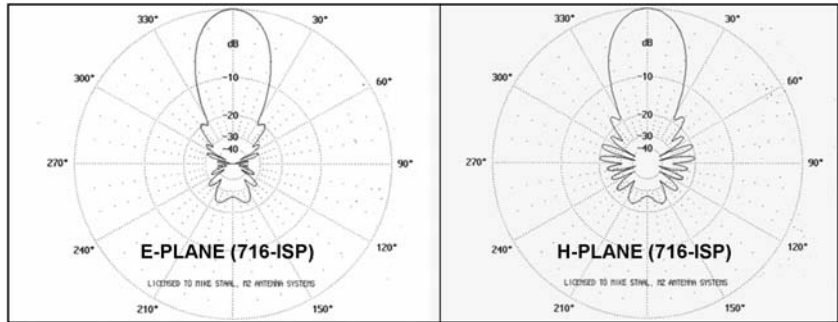
# 716A-ISP YAGI (698-755MHz)

5-06-06



## SPECIFICATIONS

MODEL..... 716A-ISP  
 FREQUENCY RANGE ..... 698-755 MHz  
 GAIN..... 16.0 dBi  
 FRONT TO BACK..... 23 dB  
 VSWR..... 1.3:1 TYPICAL  
 POLARITY..... VERT / HORZ  
 STACKING DISTANCE ..... 30"  
 FEED IMPEDANCE..... 50 OHMS  
 FEED CONNECTOR ..... N-FEMALE  
 POWER HANDLING..... 500 WATTS  
 BOOM LENGTH ..... 70"  
 BOOM DIA..... 1" / 3/4"  
 MAST SIZE..... 1 1/4" TO 2"  
 WIND AREA ..... (.6) SQ FT.  
 WIND RATING..... 100 MPH  
 WEIGHT..... 6 LBS.



## FEATURES

The **716A-ISP** has been engineered for DEEP FRINGE AREA systems where standard panels or smaller Yagi's are not sufficient. High performance and dependability mean less service calls, keeping customers happy and profit margins higher. Stacking and phasing kits are available when higher gain and more directivity is required to eliminate interference or punch through obstructions.

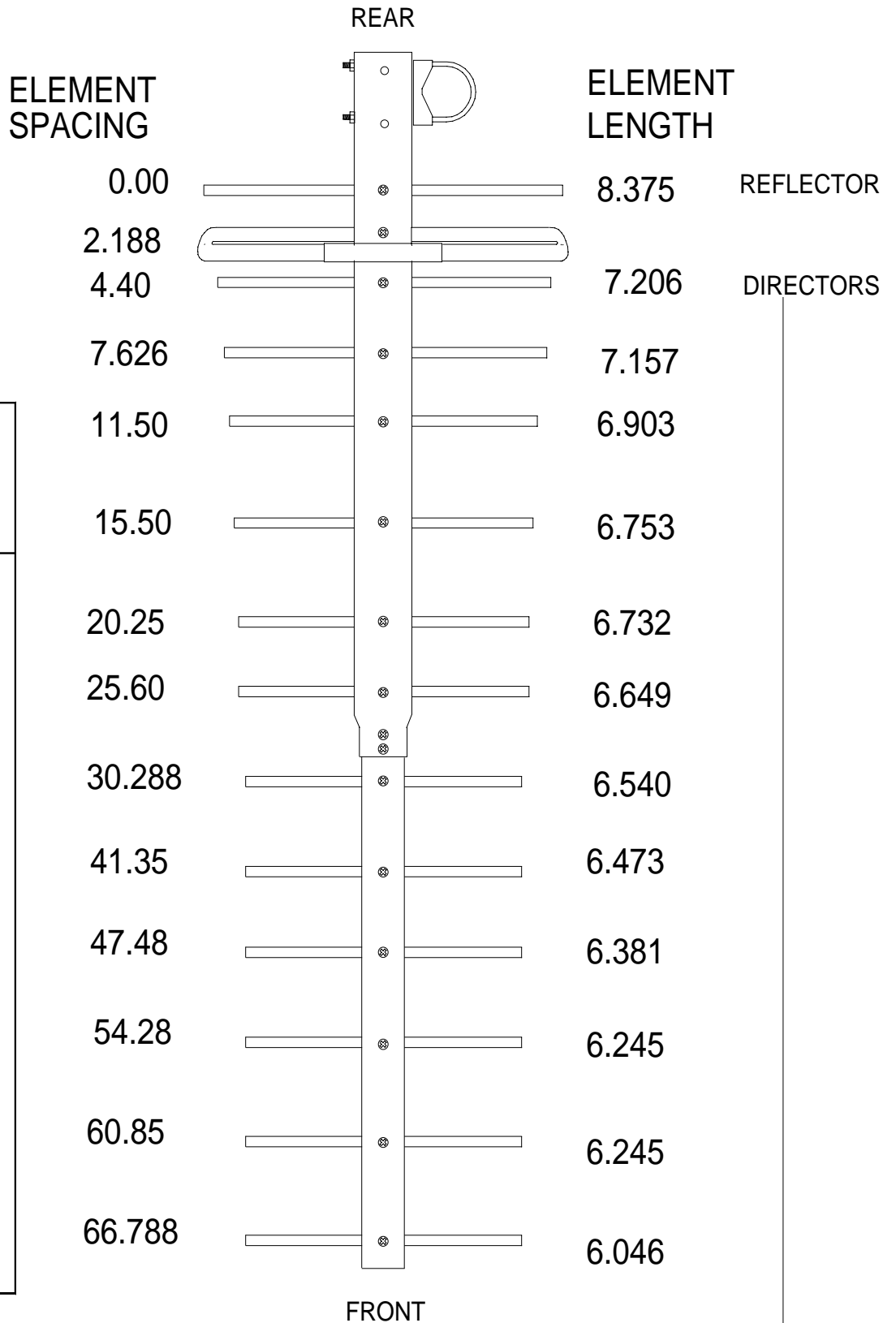
The heart of the **716A-ISP**, the folded dipole, provides a virtual flat match for over 50 MHz. The gain has been designed to roll-off quickly above range limits to prevent receiver overload from high power services above 750 MHz. The heavy duty one piece boom and 5/16" elements, give the ISP confidence for superior performance and longevity.

The **714A-ISP** is a DC grounded antenna designed to work with many of the FCC Licensed ISP Services.

Call about special bulk pricing !

# 716A-ISP (HI-PERFORMANCE 698-755 MHZ YAGI) DIMENSION SHEET

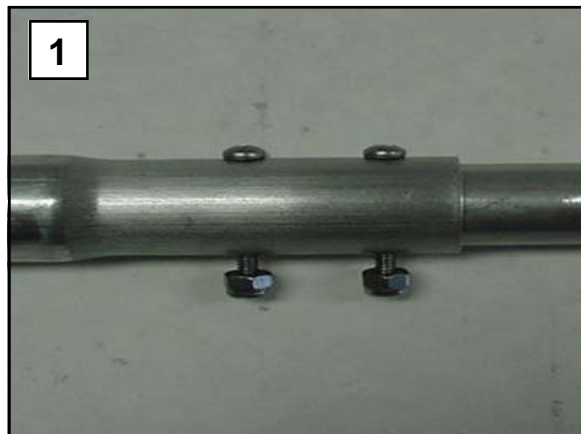
DECIMAL TO FRACTION CONVERSION
.062 = 1/16
.125 = 1/8
.188 = 3/16
.250 = 1/4
.313 = 5/16
.375 = 3/8
.437 = 7/16
.500 = 1/2
.562 = 9/16
.625 = 5/8
.688 = 11/16
.750 = 3/4
.813 = 13/16
.875 = 7/8
.937 = 15/16





## GETTING STARTED

Tools handy for assembly process: Phillips head screwdriver, 11/32" spin-tite or socket, 7/16" end wrench or socket. The elements of the antenna are pre-assembled from the factory.



**Step 1:**  
Attach boom section #1 to #2 using 8-32 x 1 1/4" and locknuts supplied



**Step 2:**  
Attach the folded dipole to the rear of the boom section by sliding the unit back and forth until it is in place. Use a 8-32 x 1 1/4" screw.



**Step 2:**  
Install the 2" U-bolt and Uni-Cradle in the correct orientation for vertical or horizontal polarization. Tighten with 1/4-20 hex nuts and lock washers.

\*Stainless Steel hardware can lock up. We suggest using grease or WD-40 when installing the hardware.

**THIS COMPLETES THE ASSEMBLY OF THE 716A-ISP**

## 716A-ISP PARTS LIST

5-09-06

DESCRIPTION .....	QTY
BOOM, 1.0" X .058 X 35 1/2" SOE .....	1
BOOM, 3/4" X .049 X 37" .....	1
ELEMENTS, 5/16" (INSTALLED) .....	13
FOLDED DIPOLE ASSEMBLY .....	1
U-BOLT, 2", SS & UNI-SADDLE .....	1
ASSEMBLY MANUAL .....	1

### IN HARDWARE BAGS:

NUT, 1/4-20, SS .....	2
LOCKWASHER, 1/4" SPLIT RING SS .....	2
SCREW, 8-32 X 1-1/4", SS .....	3
NUT, 8-32 NYLOCK .....	2

Carefully Manufactured by:

### **M<sup>2</sup> ANTENNA SYSTEMS, INC.**

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