

YAGI ANTENNA 896-960 MHz



4EE SERIES - 4 Extreme Environments

Rugged Construction for the most harsh and severe environments with true to specification RF performance



FEATURES

Heavy Duty Stainless Steel Construction	Solid Iron Mounting Bracket	360 Degree Weld Elements to Boom	Black Polyester Powder Coat Finish	PVC Heat Shrink on Connector	High Quality LMR400 Cable
Lifetime Warranty Female N Connector	Gains Available: 6, 9, 10, 11, 12, 14, 16 dBi	Cable Lengths Available: 2', 15', 25'	Vertical or Horizontal Polarization	Waterproof Gamma Match	Minimum Order Requirements
				Photo 900 MHz yagi	www.dmswireless.com

SPECIFICATIONS

Part Number	YA9009W	YA90012W	YA90014W	YA90016W	YA90017W
Frequency Range	896 - 960 MHz	896 - 960 MHz	896 - 960 MHz	896 - 960 MHz	896 - 960 MHz
Gain	9 dBi	12 dBi	14 dBi	16 dBi	17 dBi
Front to Back Ratio	14 dB minimum	16 dB minimum	16 dB minimum	16 dB minimum	18 dB minimum
Beamwidth	80H 60V	58H 45V	34H 30V	30H 27V	27H 24V
VSWR	1.5:1 Typical	1.5:1 Typical	1.5:1 Typical	1.5:1 Typical	1.5:1 Typical
Input Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Maximum Power	150 Watts	150 Watts	150 Watts	150 Watts	150 Watts
Connector Interface	N Type Female	N Type Female	N Type Female	N Type Female	N Type Female
Windload	210KMH/130MPH	210KMH/130MPH	210KMH/130MPH	210KMH/130MPH	210KMH/130MPH
Polarization	Vertical or Horizontal	Vertical or Horizontal	Vertical or Horizontal	Vertical or Horizontal	Vertical or Horizontal
Lightning Protection	Direct Ground	Direct Ground	Direct Ground	Direct Ground	Direct Ground
Structure	5 Elements	7 Elements	9 Elements	14 Elements	18 Elements
Length	20.3"/ 515 mm	26.2"/ 665 mm	35"/ 890 mm	56"/ 1420 mm	76"/ 1930 mm
Width	6.7"/ 170 mm	6.7"/ 170 mm	6.7"/ 170 mm	6.7"/ 170 mm	6.7"/ 170 mm
Depth	2.3"/ 58 mm	2.3"/ 58 mm	2.3"/ 58 mm	2.3"/ 58 mm	2.3"/ 58 mm
Weight	1.54#/0.7kg	1.87#/0.85kg	2.3#/1.06kg	3.34#/1.52kg	4.6#/2.1kg
Mast Sizes Compatible	1.5"-2.0" 40-50mm	1.5"-2.0" 40-50mm	1.5"-2.0" 40-50mm	1.5"-2.0" 40-50mm	1.5"-2.0" 40-50mm
Double U Bolt Mounting	S/S Hardware	S/S Hardware	S/S Hardware	S/S Hardware	S/S Hardware
Standard Cable Length	2'/610mm	2'/610mm	2'/610mm	2'/610mm	2'/610mm
15' Cable Length	YA9009W-15	YA90012W-15	YA90014W-15	YA90016W-15	YA90017W-15
25' Cable Length	YA9009W-25	YA90012W-25	YA90014W-25	YA90016W-25	YA90017W-25