



Yagi Series Shown

## Yagi Antennas

### Cellular, SMR & ISM Bands

- Broad bandwidth, available in 6 dB, 9 dB, 10 dB & 12 dB gain
- Easy to Install; all hardware included
- DC grounded for maximum lightning protection
- Balun fed elements provide maximum performance

The Yagi antennas have been designed for point-to-point signal transfer, and for filling in system areas with poor coverage. They are ideal for remote locations such as construction sites, warehouses, parking garages, farms and remote cabins.

The antennas are available in 6 dB, 9 dB, 10 dB or 12 dB versions. The 6 dB model uses 3 elements, the 9 dB model uses 5 elements, the 10 dB model uses 7 elements, and the 12 dB uses 10 elements. These balun fed antennas offer optimum gain performance and efficiency. These Yagis provided excellent bandwidth characteristics and discriminating front-to-back ratio.

These antennas are constructed of aluminum, with the elements welded for strength and proper electrical transfer. The aluminum is further coated with a protective Ultraviolet resistant polyester, providing long term reliability. The balun-feed assembly is contained in a protective ABS plastic enclosure for increased field reliability. The antennas terminate in either a TNC connector or N type connectors.

The Yagi antennas are very simple to install, they can be set up by one person. All mounting hardware is provided to attach the antenna to a mast or pole.

#### Model Numbers

<u>Cellular/SMR</u>	<u>Freq. (MHz)</u>	<u>Connector Style</u>	
		<u>TNC Female</u>	<u>N Female</u>
Yagi, 6 dB	806-896	YAG6-900T	YAG6-900N
Yagi, 9 dB	806-896	YAG9-900T	YAG9-900N
Yagi, 10 dB	806-896	YAG10-900T	YAG10-900N
<u>Low SMR</u>	<u>(MHz)</u>	<u>TNC Female</u>	<u>N Female</u>
Yagi, 12 dB	806-866	YAG12-837T	YAG12-837N
<u>Cellular Only</u>	<u>(MHz)</u>	<u>TNC Female</u>	<u>N Female</u>
Yagi, 12 dB	825-896	YAG12-900T	YAG12-900N
<u>ISM/SMR/GSM</u>	<u>(MHz)</u>	<u>TNC Female</u>	<u>N Female</u>
Yagi, 6 dB	866-960	YAG6-925T	YAG6-925N
Yagi, 9 dB	866-960	YAG9-925T	YAG9-925N
Yagi, 10 dB	866-960	YAG10-925T	YAG9-925N
Yagi, 12 dB	896-960	YAG12-925T	YAG12-925N

#### Specifications

<b>Frequency:</b>	See above	<b>Connector:</b>	N Female boommounted, TNC version direct balun
<b>Gain:</b>	See above	<b>Wind Survival:</b>	100 mph
<b>Bandwidth @ 2:1:</b>	95 MHz, 71 MHz for 12 dB model	<b>Material:</b>	Polymer coated aluminum & stainless steel hardware
<b>Nominal Impedance:</b>	50 ohms	<b>Dimension:</b>	
<b>Front-to-back ratio:</b>	15 dB or better	6 dB model	15" L x 10" W max
<b>Beamwidth:</b>		9 dB model	21" L x 10" W max
6 dB model	60° vertical, 100° horizontal	10 dB model	26" L x 10" W max
9 dB model	50° vertical, 50° horizontal	12 dB model	48" L x 10" W max
10 dB model	40° vertical, 40° horizontal	<b>Net Weight:</b>	<3 lbs, varies by model
12 dB model	35° vertical, 35° horizontal	<b>Mounts to Pipe O.D.:</b>	3/4" to 2"
<b>Input Power:</b>	300 watts		