

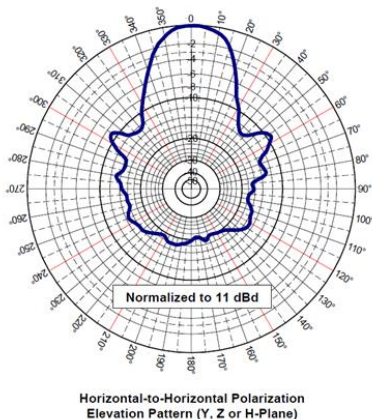
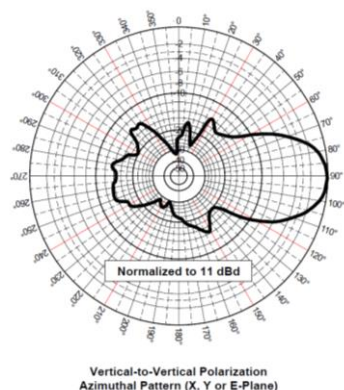
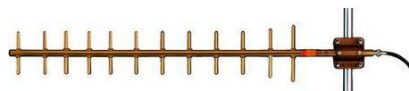
Laird Connectivity's premium series directional Yagi antennas are available in either fully gold anodized or black powdercoat for long life and high corrosion resistance. These antennas feature internal matching to assure broad bandwidth and resistance to severe weather conditions. There is no gamma match to ice up, corrode, or detune. Our engineering staff have optimized the product family for forward gain by computer analysis and then field-tested each for conformance.

FEATURES AND BENEFITS

- These antennas feature 360° welds around each element and an end-of-boom N connector feed with an internal transmission line feeding the driven element.
- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR.
- All Yagi antennas ship complete with a high-quality cast aluminum mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during installation.

APPLICATIONS

- Point-to-point and multi-point/ omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields, weather conditions and, meter data transmissions for utilities.



ELECTRICAL SPECIFICATIONS

Model Name	Y(B)80612
Operating Frequency (MHz)	806-896
Gain (dBd)	11
Tune Capability	Fixed tune
Center Frequency (MHz)	851.00
Bandwidth @ VSWR < 1.5:1	806-896
Bandwidth @ VSWR < 2.0:1	801-911
Nominal Impedance (Ohms)	50
Max Power – Ambient 25°C (W)	300
Polarization	Align source and destination to same polarization (horizontal or vertical)
Front-to-Back Ratio (dB)	20
Gamma Match Type	Internally matched
Element Construction	Welded
Bracket Included	Included

MECHANICAL SPECIFICATIONS

Dimensions – L x W x H– cm (in.)	124.14 x 20.64 x 2.22 (48-7/8 x 8-1/8 x 0.875)
Ground Plane	None
Number of Elements	12
Termination	Fixed N-female
Assembly	Fully welded
Mounting	Up to 2.5-inch diameter mast
Mounting Bracket Material	Cast Aluminum Bracket with Stainless steel Hardware
Lightning Protection	DC grounded
Rated Wind Velocity – km/h (mph)	Not tested

CONFIGURATION

PART NUMBER	FREQUENCY RANGE	COLOR
Y80612	806-896 MHz	Gold
YB80612	806-896 MHz	Black



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