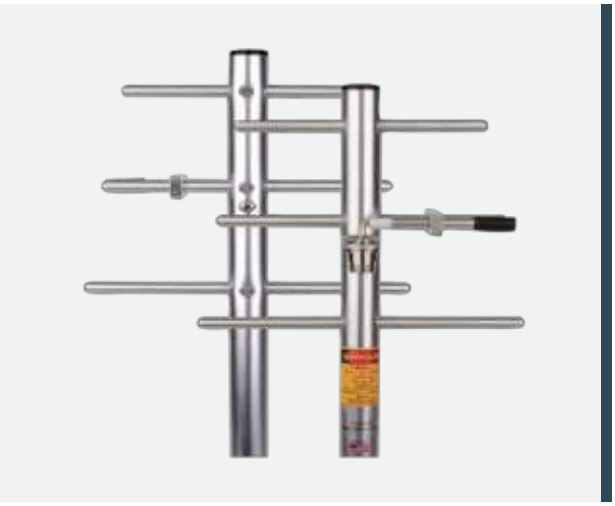


Y(S)8063

Directional Yagi Antennas 809-896 MHz

TE Connectivity's Silver Series Yagi antennas represent great value while featuring the same great optimized design and plated brass connector found on premium gold series models. Each Yagi is factory tuned on a network analyzer for best power match and lowest VSWR, offering the best possible performance every time. All antennas ship complete with a mounting kit that includes stainless steel hardware.

FEATURES AND BENEFITS

- All 450 MHz and higher frequency models are delivered fully assembled
- All radial elements are secured to the boom with stainless steel hardware to prevent corrosion
- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR
- All antennas ship complete with a mounting kit that includes stainless steel hardware

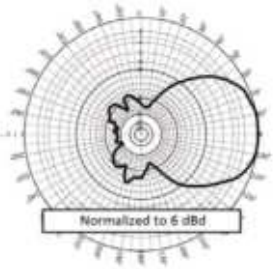
APPLICATIONS

- Point-to-point and multi-point/ omnidirectional outdoor antenna 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

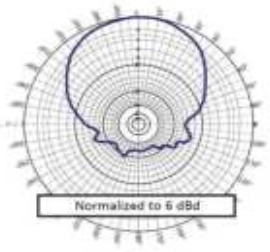
ELECTRICAL SPECIFICATION	
Model Name	Y(S)8063
Operating Frequency (MHz)	809-896
VSWR	< 2:1
Return Loss – max (dB)	-10
Gain (dBd)	6.0
Front-to-Back Ratio (dBd)	15
Max Power - Ambient 25°C (W)	300
Nominal Impedance (Ohms)	50
Polarization	Vertical
Pattern	Directional
Horizontal Plane 3 dB Beamwidth	89°
Vertical Plane 3 dB Beamwidth	65°
Tuning	Fixed
Transmitting/Receiving	Both

MECHANICAL SPECIFICATION	
Dimensions – L x H – cm (inches)	42.55 x 18.42 (16-3/4 x 7-1/4)
Boom Diameter – cm (inches)	2.22 (7/8)
Weight – kg (lbs.)	0.79 (1.75)
Cable Type	N/A
Connector	N-female
Color	Bright dipped aluminum
Lightning Protection	Lightning arrestor – LABH350NN (sold separately)
Mounting Kit (included)	Yagi mounting kit for 7/8-inch boom

ENVIRONMENTAL SPECIFICATION	
Operating Temperature – °C (°F)	-50 to +85°C (-58 to +185°F)
Rated Wind Velocity – km/hr (mph)	241 (150)
Equivalent Flat Area – sq. km (sq. ft.)	1.42 (0.1516)



Vertical-to-Vertical Polarization Azimuthal Pattern (Y, Z, or E-plane)



Horizontal-to-Horizontal Polarization Azimuthal Pattern (Y, Z, or H-plane)

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