Y(B)8063

Directional Yagi Antenna 806-896 MHz

Our premium series directional Yagi antennas are fully gold anodized for corrosion resistance. All UHF and above frequency antennas feature internal matching to assure broad bandwidth and resistance to severe weather. There is no gamma match to ice up, corrode or detune. Our engineering staff has optimized the product family for forward gain by computer analysis and then field-tested each for conformance.

FEATURES

- 360° welds (element and N-connector)
- Internal line feeding the driven element
- Analyzer-tuned best power match/lowest VSWR
- High quality mounting kit (stainless steel hardware, vertical or horizontal)

MARKETS

- Point-to-point and multi-point/omni outdoor antennas applications
- Transportation (i.e. railroad switching), remote location monitoring (i.e. oil fields, weather, and utility meters)

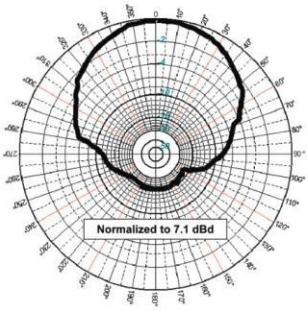
ELECTRICAL SPECIFICATION	
Operating Frequency (MHz)	806-896
Number of Ports	1
Gain (dBi)	8.15
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	500
Front-to-Back Ratio (dB)	17.15

MECHANICAL SPECIFICATION	
Dimensions – diameter – mm (inches)	9.525 x 425.45 (3/8" x 16.75")
Element Material	6061-T6 aluminum rod
Boom Material	Heat-treated 6061-T6 aluminum tube
Mounting Hardware Material	Stainless Steel
Radiating Elements	3
Lightning Protection	DC Grounded

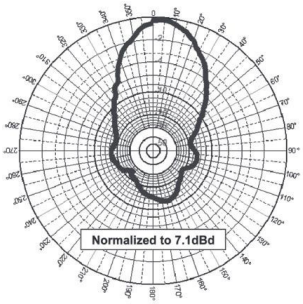
ENVIRONMENTAL SPECIFICATION	
Wind Survival – km/hr (mph)	160.93 (100)

PART NUMBER	COLOR	CABLE LENGTH	CONNECTOR
Y8063	Aluminum	N/A	N-Female
YB8063	Black	N/A	N-Female

RADIATION PATTERNS



Vertical-to-vertical polarization



Vertical-to-Horizontal polarization

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