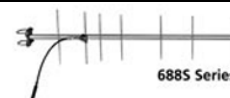


Directional Yagi Antenna, 406-420, 12.1dBi, RG8A/U N Male

Product Description

These Yagi Antennas are constructed using 6061-T6 aluminum rod and pipe. Solid director and solid reflector elements are precision welded to their main boom, effectively eliminating misalignment problems during shipping, installation, or in service. Provision has been made in the mounting hardware for either vertical or horizontal polarization and stacking.



688 Series

Features/Benefits

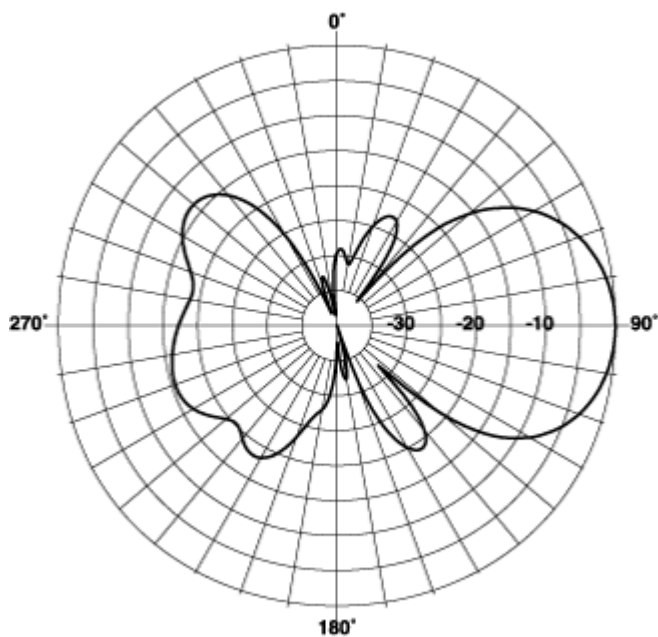
- Versatile • Ideal for point-to-point and SCADA systems.

Technical Specifications

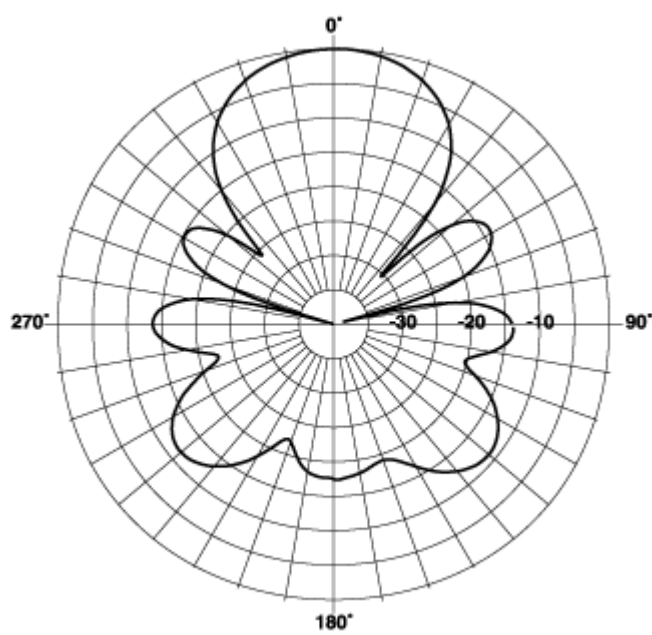
Frequency Band	300-699.9 MHz
Horizontal Pattern	Directional
Antenna Type	Yagi/Corner
Electrical Down Tilt Option	Fixed
Gain, dBi (dBd)	12.1 (10)
Frequency Range, MHz	406-420
Connector Type	RG8A/U N Male
Connector Location	Bottom
Mount Type	Fixed
Electrical Downtilt, deg	0
Horizontal Beamwidth, deg	50
Mounting Hardware	U Bolts .3125 in. (.008 m)
Rated Wind Speed, km/h (mph)	160 (100)
VSWR	< 1.5:1
Vertical Beamwidth, deg	40
Polarization	Vertical
Front-To-Back Ratio, dB	15 (min.)
Maximum Power Input, W	250
Lightning Protection	Direct Ground
Impedance, Ohms	50
Dimensions - HxWxD, mm (in)	406 x 1397 x 102 (16 x 55 x 4)
Weight, kg (lb)	2 (3.75)
Element Material	0.375 in. (10 mm) 6061 - T6 Aluminum Rod
Max Wind Loading Area, m ² (ft ²)	0.033 (0.35)
Survival Wind Speed, km/h (mph)	200 (125)
Torsional Moment @ Rated Wind on support pipe, N m (ft lbf)	33 (24.5)
Wind Load - Side @ Rated Wind, N (lbf)	62 (14)
Shipping Weight, kg (lb)	3.6 (8)
Packing Dimensions, HxWxD, mm (in)	1524 x 1448 x 406 (60 x 57 x 16)
Shipping Mode	UPS

Notes

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Vertical Pattern



Horizontal Pattern