

MIMO YAGI ANTENNA - 12dBi

700MHz Antenna Spec Sheet



The 700 MHz MiMO Yagi Antenna with Dual Polarization is a high gain, premium quality antenna with excellent port to port isolation. Manufactured using high strength 6061-T6 aluminum, they will withstand heavy ice, high wind and other harsh conditions. The entire antenna is anodized for aesthetic appearance and corrosion resistance.

Key Features

- Dual linearly polarized
- Temperature range -40°F to +185°F
- Return loss > 15 dB
- Port to port isolation > 35 dB
- VSWR: $\leq 1.43:1$
- Cross polarization discrimination > 25 dB

Benefits

- Seriously Smart
- Scalable
- Very Economical
- Highly Efficient
- Compatible
- Robust
- Exclusive to User
- Future Defensive
- Environmentally Sound

700MHz MIMO YAGI ANTENNA - 12dBi SPECIFICATIONS

Electrical Specifications	
Frequency Range	757-788 MHz
Polarization	Horizontal and Vertical
Gain	12 dBi
VSWR	≤ 1.43:1
Return Loss	> 15 dB
Port to Port Isolation	> 35 dB
Front to Back Ratio	> 10 dB
Azimuth and Elevation Half Power Beamwidth for 45° Slant Polarization	45°
E-Plane 3 dB Beamwidth	42°
H-Plane 3 dB Beamwidth	49°
Average Power	200 W
Nominal Impedance	50 ohms

Mechanical Specifications	
Connector	2 x Type-N female
Dimensions	37" x 8" x 8" (939.8 mm x 203 mm x 203 mm)
Weight	3.25 lbs (1.47 kg)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Mounting	Uses an BWC1017A mount
Elements	7 (per polarization)
Cross Sectional Area	.26 ft ²
Wind Rating	150 mph (241 kph)
Wind Rating (with 1/2" ice)	100 mph (161 kph)
Wind Loading	37.37 lbf (166.24 N) @ 150 mph (241 kph)
Wind Loading (with 1/2" ice)	42.13 lbf (187.41 N) @ 100 mph (161 kph)

Product Orders	
Product Code	Description
ANT-757-788-012-YD00	700MHZ MiMO Yagi, 757-788MHz, 12dBi, 2 x N-Female

Important: Specifications are subject to change without prior notice