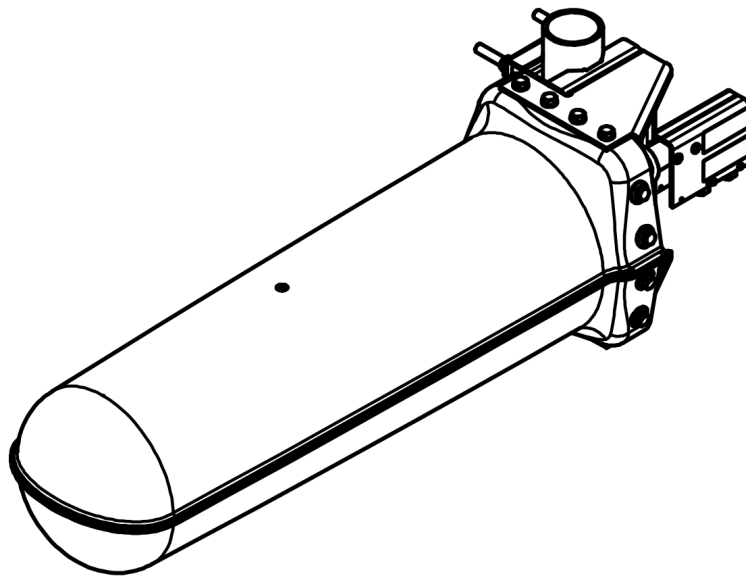


## MIMO YAGI ANTENNA WITH RADOME - 12dBi

700MHz Antenna Spec Sheet

---



The Dual Polarized 700 MHz MiMO Yagi Antenna with Radome 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 WITH RADOME - 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

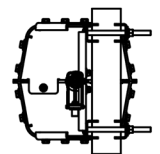
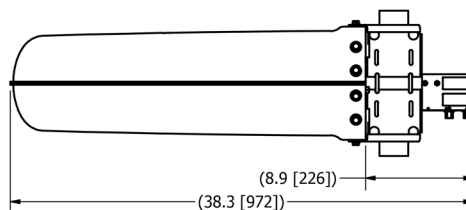
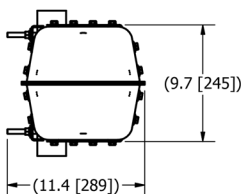
## Mechanical Specifications

Connector	2 x Type-N female
Dimensions	38.3" x 11.4" x 9.7" (972 mm x 289 mm x 245 mm)
Weight	15.36 lbs (6.9 kg)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Mounting	Uses an BWC1017A mount
Elements	7 (per polarization)
Wind Rating	120 mph (194 kph)
Wind Rating (with 1/2" ice)	100 mph (169 kph)

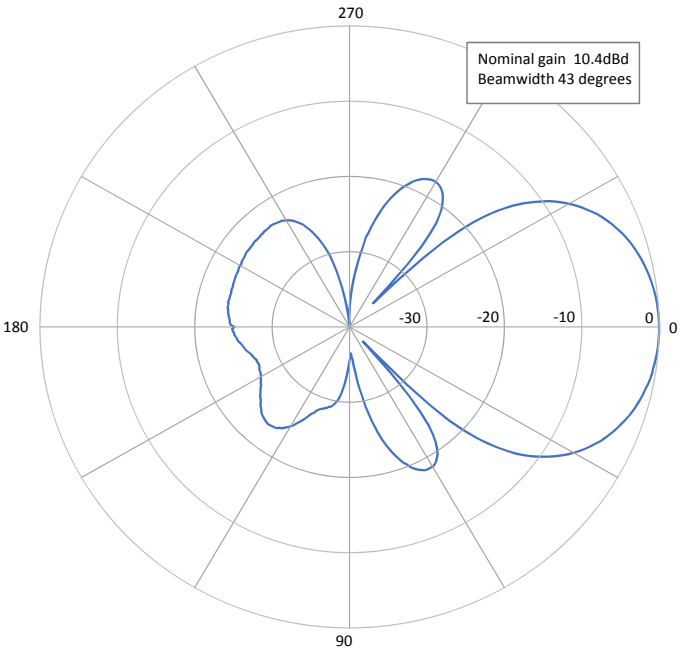
## Product Orders

Product Code	Description
ANT-757-788-012-YD01	700MHZ MiMO Yagi, 757-788MHz, 12dBi, 2 x N-Female, with Radome

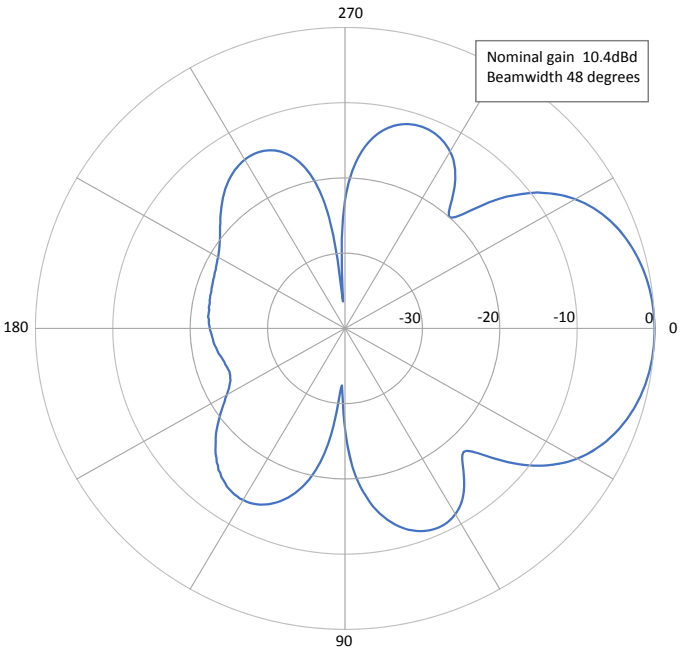
**Important:** Specifications are subject to change without prior notice



# 700MHz MIMO YAGI ANTENNA WITH RADOME - 12dBi RADIATION PATTERNS



Azimuth Relative Gain (dB)  
(Horizontal Pol. 757MHz)



Elevation Relative Gain (dB)  
(Horizontal Pol. 757MHz)