

COMTELCO

Technical Specification

Y42818A

806-940 / 1710-2100 MHz 8dBd / 10dBi

MULTIBAND YAGI ANTENNA

High Performance: This 16 element yagi antenna provides 10dBi / 8dBd gain with excellent wide band performance.

Rugged and weatherproof: Our hybrid radome construction provides excellent weather protection for our driven element. The radome is constructed of UV inhibited ABS. The heavy duty mounting plate is extruded aluminum. Stainless steel V bolts are provided for long term reliability and resistance to corrosion.

Lightweight and Durable: This yagi antenna is easily installed by one person, yet is designed to withstand 125 MPH winds.

Termination Options:

Type A: 12" Teflon pigtail with N connector.



ELECTRICAL SPECIFICATIONS

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|-------------------------|---------------------------|
| GAIN: | 10dBi / 8dBd |
| FREQUENCY@ | |
| VSWR 2.0:1 | 806-940MHz / 1730-2100MHz |
| VSWR 2.5:1 | 745-970MHz / 1710-2500MHz |
| F to B RATIO: | 20dB |
| VERT BEAMWIDTH: | 35° |
| HORIZ BEAMWIDTH: | 30° |
| POWER RATING: | 150 watts |
| IMPEDANCE: | 50 ohms |

MECHANICAL SPECIFICATIONS

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|-------------------------|--|
| MATERIAL: | Aluminum & Brass booms 3/16" solid elements |
| RADOME: | 3" UV inhibited ABS |
| LENGTH: | 13.5" |
| WEIGHT: | 2 lb. |
| MOUNTING: | 2 1/2" mast maximum |
| FLAT PLATE AREA: | .12 ft ² |
| WIND RATING: | 125 MPH |
| WIND LOAD: | 8.1 lbs. |

Horizontal Pattern



Vertical Pattern

