

Enclosed Yagi Antenna Series

PCTEL's directional yagis can be used as bridge antennas between two networks or for point-to-point communications. They are field adjustable for vertical or horizontal polarization with matched principal plane beamwidths for optimum performance in either orientation. This design also provides improved front-to-back ratio and sidelobe suppression that reduces interference. All models feature a robust mounting structure for consistent performance regardless of weather conditions.

Features

- Field adjustable to allow vertical or horizontal polarity
- Optional articulating mount; allows precise adjustment of the antenna both vertically and horizontally
- Matched principal plane beamwidths with excellent sidelobe suppression and cross-polarization rejection of more than 20 dB provides superior signal quality with enhanced gain performance and minimal interference from neighboring radiators
- Attractive weather-proof radome constructed of UV-resistant material provides robust and trouble-free use in harsh outdoor environments



WISP24015PTNF



MYP24010PTNF

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
MYP24010PTNF	36 in RG58 Dbl Shield White	N Female	Heavy-duty yagi mounting bracket (included) permits mast mounting on masts up to 2" O.D. Stacking harnesses available to stack two yagis is sold separately (both models).
WISP24015PTNF	18 in RG58 Dbl Shield White	N Female	

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Model	Frequency Range	Gain	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth
MYP24010PTNF	2.4-2.48 GHz	10 dBi	< 1.5:1	55°	55°
WISP24015PTNF	2.4-2.48 GHz	15 dBi	< 1.5:1	30°	30°

ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued

Model	Front to Back Ratio	Maximum Power	Nominal Impedance	Polarization
MYP24010PTNF	23 dB	5 watts	50 ohms	Vertical or horizontal, linear (user adjustable)
WISP24015PTNF	30 dB	5 watts	50 ohms	Vertical or horizontal, linear (user adjustable)

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Model	Dimensions	Weight	Lateral Thrust @ Rated Wind	Equivalent Flat Plate Area	Rated Wind
MYP24010PTNF	4.5 L x 3 OD (11.4 x 7.6 cm)	1 lb (0.5 kg)	5.8 lbs	0.060 sq ft	125 mph
WISP24015PTNF	14 L x 3 OD in (35.6 x 7.6 cm)	1 lb (0.5 kg)	18.3 lbs	0.20 sq ft	125 mph