



MOUNTING DETAIL

## 2.4 GHZ PANEL ANTENNAS

- P250-2.4W

### DESCRIPTION

The Panel antenna is completely enclosed in a rugged fiberglass radome. The radome provides protection from the environment and prevents de-tuning of the antenna due to ice. The antenna can be mounted directly to a flat surface or pipe mounted to permit horizontal adjustment. Side reflector panels can be installed to alter the mean width to 60, 90, or 120 degrees without the reflector panels. The antenna can be mounted directly to a flat surface using our wall mount accessory or pipe mounted with the U-bolts supplied.

### APPLICATION

- Large area, multiple point network. Wide antenna beam width (up to 120 deg.) to reach multiple points.
- Wall mounts sold separately.

### SPECIFICATIONS

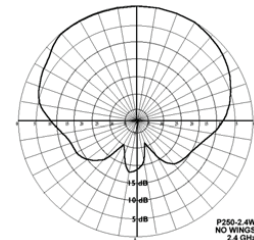
#### Electrical

Frequency	2.4 - 2.5 GHz	2.4 - 2.5 GHz	2.4 - 2.5 GHz
Gain	14 dBi	12.8 dBi	11 dBi
Impedance	50 Ohm	50 Ohm	50 Ohm
VSWR	Less than 1.5:1 +/- 4	Less than 1.5:1 +/- 4	Less than 1.5:1 +/- 4
	Less than 2.0:1 +/- 7	Less than 2.0:1 +/- 7	Less than 2.0:1 +/- 7
F/B Ratio	28 dB	24 dB	18 dB
Polarization	Vertical	Vertical	Vertical
HPBW "E" plane	21 degrees	21 degrees	21 degrees
<b>HPBW "H" plane</b>	<b>60 degrees</b>	<b>90 degrees</b>	<b>120 degrees</b>
Cross Pol Rejection	>20 dB	>20 dB	>20 dB
Terminal Type	N female	N female	N female
Maximum Input Power	90 Watts	90 Watts	90 Watts

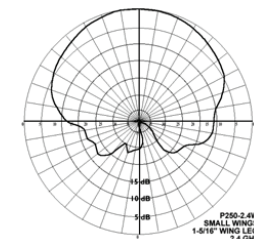
#### Mechanical

Length (in.)	13.38"	13.38"	13.38"
Width (in.)	7.30	6.85	4.50
Depth (in.)	2.50	2.50	2.50
Mounting	Wall/Tube/Pipe Mount 1 5/8 O.D. Mast	Wall/Tube/Pipe Mount 1 5/8 O.D. Mast	Wall/Tube/Pipe Mount 1 5/8 O.D. Mast
Housing	Aluminum	Aluminum	Aluminum
Radome	Fibreglass, White, UV Stabilized	Fibreglass, White, UV Stabilized	Fibreglass, White, UV Stabilized
Weight	2.0 lbs. (0.8 kg)	2.0 lbs. (0.8 kg)	2.0 lbs. (0.8 kg)
Wind Area (Sq. Ft.)	0.62	0.55	0.293

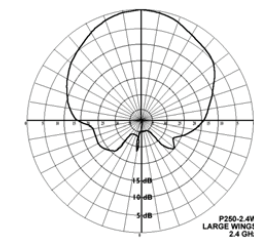
### ANTENNA PATTERNS



NO WINGS



SMALL WINGS



LARGE WINGS

WADE Antenna's ongoing policy of continuing development may result in specification changes to its products.

### WADE Antenna Inc.

29 Sharp Road  
Brantford, Ontario, N3T 5L8 Canada  
Tel: 519.756.7157  
Fax: 519.756.5056

(800) 463-1607  
sales@wadeantenna.com

www.wadeantenna.com