



2.45 GHz Panel Antennas

Features

- Complete line of planar antennas
- Flat design provides high efficiency and low back lobes with minimal depth dimension
- Allowed in covenant controlled areas
- Easy installation saves time and money
- Mounting brackets included
- Protected from the environment (ice loading and wildlife)
- Supports all applications from 2.4 to 2.5 GHz (ISM, Home RF, 802.11b, Bluetooth).



Specifications

Electrical (typical)

Frequency	2.45 GHz
Gain	8.5dBi
Polarization	Linear
Antenna design	Single patch
Bandwidth - 1.5:1 VSWR	100 MHz
Horizontal beamwidth	60°
Vertical beamwidth	60°
Cross polarization	>30dB
Maximum power input watts	100
Front-to-back ratio	>30dB
Efficiency	85%
Connectors	SMA female, TNC female, N female
Lightning protection	Direct ground

Panel 8.5dBi

Frequency	2.45 GHz
Gain	8.5dBi
Polarization	Linear
Antenna design	Single patch
Bandwidth - 1.5:1 VSWR	100 MHz
Horizontal beamwidth	60°
Vertical beamwidth	60°
Cross polarization	>30dB
Maximum power input watts	100
Front-to-back ratio	>30dB
Efficiency	85%
Connectors	SMA female, TNC female, N female
Lightning protection	Direct ground

Panel 13dBi

Frequency	2.45 GHz
Gain	13dBi
Polarization	Linear
Antenna design	Four patch
Bandwidth - 1.5:1 VSWR	100 MHz
Horizontal beamwidth	38°
Vertical beamwidth	38°
Cross polarization	>30dB
Maximum power input watts	100
Front-to-back ratio	>30dB
Efficiency	75%
Connectors	SMA female, TNC female, N female
Lightning protection	Direct ground

Panel 19dBi

Frequency	2.45 GHz
Gain	19dBi
Polarization	Linear
Antenna design	Sixteen patch
Bandwidth - 1.5:1 VSWR	100 MHz
Horizontal beamwidth	18°
Vertical beamwidth	18°
Cross polarization	>30dB
Maximum power input watts	100
Front-to-back ratio	>30dB
Efficiency	70%
Connectors	N female
Lightning protection	Direct ground

Mechanical

Width - in (cm)	5.15 (13.1)	8.5 (21.6)	15.5 (39.4)
Height - in (cm)	5.15 (13.1)	8.5 (21.6)	15.5 (39.4)
Depth - in (cm)	.82 (2.1)	1.125 (2.8)	1.125 (2.8)
Case material	High impact UV stabilized plastic, ultrasonically welded	High impact UV stabilized plastic, ultrasonically welded	High impact UV stabilized plastic, ultrasonically welded
Case color	White	Gray, other colors available on customer order	
Wind/ice loading area - in ² (cm ²)	26.5 (171)	72 (466)	240 (1552)
Lateral thrust @ 100 mph - lbs (kg)	5 (11)	10 (22)	15 (33)
Torsional moment @ 100 MPH with standard mounting - ft/lbs (m/kg)	0.1 (0.22)	0.2 (0.22)	0.4 (0.88)