



SmartAnt

802.11 bg Antenna Product List

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802.11 b/g Antenna Specifications



Model	SAA04-140010	SAA04-050360
Operating enviroment	Indoor	Indoor
Radiation	Omni Directional	Directional Panel
Electrical Specifcaiton		
Frequency Range	1700- 2700GHz	2400-2500MHz
Gain	2.7- 3.5dBi	12 dBi
VSWR	2.0 : 1Max.	2.0 : 1 (Max.)
Polarization	Liner, Vertical	Linear, Vertical
HPBW/Horizontal	360°	84°
HPBW/vertical	58° -75°	23°
Downtilt	30° -40°	—
Front to back ratio	—	15 dB
Power handling	20W(cw)	10 W (cw)
Impedance	50ohm	50 Ohm
Cable	—	—
Connector	SMA female	SMA jack
Enviromental &Mechanical Characteristics		
Survival wind speed	—	216 km/hr
Temperature	-10°C -+55°C	-40°C -+80°C
Humidity	95% at 55°C	95% at 55°C
Radome	ABS, UV resistsnt	ABS, UV resistant
Water resistant	N/A	IPX5
Weight	0.1kg	0.2 kg
Dimension	ø 132x42mm	327 x 80 x 22 mm



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SAA04-050280

Outdoor

Omni Directional



SAA04-053830

Outdoor

Directional Sector



SAA04-050310

Outdoor

Directional Sector



SAA04-050250

Outdoor

Directional Patch

2400-2500GHz

8dBi

2.0: 1Max.

Liner, Vertical

360°

15°

—

—

10W(cw)

50ohm

—

N female

2400-2500GHz

10dBi

1.5: 1Max.

Liner, Vertical

120°

15°

—

—

10W(cw)

50ohm

—

N female

2400-2500GHz

12dBi

1.5: 1Max.

Liner, Vertical

90°

15°

—

—

10W(cw)

50ohm

—

N female

2400-2500GHz

14dBi

1.5: 1Max.

Liner, Vertical

30°

30°

—

15dB

10W(cw)

50ohm

—

N female

216km/hr

-40°C -+80°C

95% at 55°C

Fiber glass

IP67

0.34kg

ø 19x520mm

216km/hr

-40°C -+80°C

95% at 55°C

ABS, UV resistsnt

IPX5

0.7kg

750x88x70mm

216km/hr

-40°C -+80°C

95% at 55°C

ABS, UV resistsnt

IPX5

0.555kg

620x88x70mm

216km/hr

-40°C -+80°C

95% at 55°C

ABS, UV resistsnt

IPX5

0.4kg

200x200x50mm



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802.11bg Antenna Specifications



SAA04-052250

Outdoor

Directional Panel



SAA04-050980

Outdoor

Directional Yagi



SAA04-050090

Outdoor

Directional Panel

2400-2500MHz

16dBi

1.5 : 1 (Max.)

Linear, Vertical

25°

25°

—

30 dB

20 W (cw)

50 ohm

—

N jack

2400-2500GHz

18dBi

1.5: 1Max.

Liner, Vertical

15°

15°

—

25dB

10W(cw)

50ohm

—

N female

2400-2500MHz

18 dBi

1.5 : 1 (Max.)

Linear, Vertical

15°

15°

—

26 dB

20 W (cw)

50 Ohm

—

N jack

216 km/hr

-40°C -+80°C

100% @ 55 °C

ABS, UV resistant

IP67

1.5 kg

305x 305 x 25 mm

180km/hr

-40°C -+80°C

95% at 55 °C

ABS, UV resistsnt

IP67

0.9kg

89x50x1000mm

216 km/hr

-40°C -+80°C

95% at 55°C

ABS, UV resistant

IP67

1.6 kg

360 x 360 x16 mm