Signamax Antennas for 5 GHz

The Signamax Antennas are designed by Signamax for the 5GHz communication system. After structure optimized and being tuned carefully, it has excelent performance such as very good VSWR, high gain nad big F/B Ratio etc. The strong structure and small dimension make it easy to install. Each antenna is tested by HP network analyzer strictly before delivery.

065-5020

Antennas for 5 GHz communication system

PART NO.	DESCRIPTION
Antennas for 5,150 – 5,875 GHz Band	
065-5018	UNI-directional antenna, Gain 18 dBi, Band 5,150 – 5,875 GHz, Vert./Hor. pol., connector N Female
065-5020	UNI-directional antenna, Gain 20 dBi, Band 5,150 – 5,875 GHz, Vert./Hor. pol., connector N Female
Antennas for 5,725 – 5,875 GHz Band	
065-5808	OMNI-directional antenna, Gain 8 dBi, Band 5,725 – 5,875 GHz, Vert. pol., connector N Female
065-5812	OMNI-directional antenna, Gain 12 dBi, Band 5,725 – 5,875 GHz, Vert. pol., connector N Female
065-5818	UNI-directional antenna, Gain 18 dBi, Band 5,725 – 5,875 GHz, Vert./Hor. pol., connector N Female
065-5824	UNI-directional antenna, Gain 24 dBi, Band 5,725 – 5,875 GHz, Vert./Hor. pol., connector N Female
065-5829	UNI-directional antenna, Gain 29 dBi, Band 5,725 – 5,875 GHz, Vert./Hor. pol., connector N Female
065-5832	UNI-directional antenna, Gain 32 dBi, Band 5,725 – 5,875 GHz, Vert./Hor. pol., connector N Female
Antennas for 5,400 – 5,725 GHz Band	
065-5417	Sector antenna, Gain 17dBi, Angle 90 deg., Band 5,400 – 5,725 GHz, Vert./Hor. pol., connector N Female
065-5423	UNI-directional antenna, Gain 23,5 dBi, Band 5,400 – 5,725 GHz, Vert./Hor. pol., connector N Female
065-5429	UNI-directional antenna, Gain 29,5 dBi, Band 5,400 – 5,725 GHz, Vert./Hor. pol., connector N Female
065-5431	UNI-directional antenna, Gain 31,5 dBi, Band 5,400 – 5,725 GHz, Vert./Hor. pol., connector N Female

SPECIFICATIONS

065-5018
Frequency Range: 5,150 – 5,875 MHz
Gain: 18 dBi
Vertical Beamwidth: 20°
Horizontal Beamwidth: 20°
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical / Horizontal
Max Power: 100W
Dimension: 190 x 216 x 50 mm
Weight: 1.1 kg
Connector: N female
Rated Wind Velocity: 60 m/s

065-5020
Frequency Range: 5,150 – 5,875 MHz
Gain: 20 dBi
Vertical Beamwidth: 16°
Horizontal Beamwidth: 16°
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical / Horizontal
Max Power: 100W
Dimension: 190 x 216 x 50 mm
Weight: 1.1 kg
Connector: N female
Rated Wind Velocity: 60 m/s

065-5808
Frequency Range: 5,725 – 5,875 MHz
Gain: 8 dBi
Vertical Beamwidth: 16°
Horizontal Beamwidth: 360°
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical
Max Power: 100W
Dimension: ≥20 x 350 mm
Weight: 200 g
Connector: N female
Rated Wind Velocity: 60 m/s

065-5812
Frequency Range: 5,725 – 5,875 MHz
Gain: 12 dBi
Vertical Beamwidth: 7°
Horizontal Beamwidth: 360°
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical
Max Power: 100W
Dimension: ≥20 x 540 mm
Weight: 500 g
Connector: N female
Rated Wind Velocity: 60 m/s

065-5818
Frequency Range : 5,150 – 5,350/
5,725 – 5,875 MHz
Gain: 18 dBi
Horizontal Beamwidth: 40±5°
Vertical Beamwidth: 40±5°
F/B Ratio: 15 dB
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical
Max Power: 100W
Connector: N female
Dimension: 190 x 216 x 50 mm

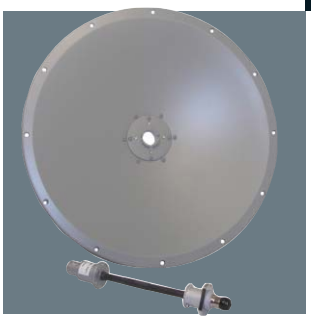
065-5824
Frequency range: 5,725 – 5,875 MHz
Gain: 24 dBi
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical or Horizontal
Max Power: 100W
Connector: N Female
Horizontal Beamwidth: 9°
F/B ratio: ≥30 dB
Diameter: 0.4 m
Weight: 3 kg

065-5829
Frequency range: 5,725 – 5,875 MHz
Gain: 29 dBi
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical or Horizontal
Max Power: 100W
Connector: N Female
Horizontal Beamwidth: 6°
F/B ratio: ≥35 dB
Diameter: 0.6 m
Weight: 5 kg

065-5832
Frequency range: 5,725 – 5,850 MHz
Gain: 32.5 dBi
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical or Horizontal
Max Power: 100W
Connector: N Female
Horizontal Beamwidth: 4°
F/B ratio: ≥38 dB
Diameter: 0.9 m
Weight: 10 kg

065-5417
Frequency Range: 5,400 – 5,725 MHz
Gain: 17 dBi
Vertical Beamwidth: 20°
Horizontal Beamwidth: 90°
VSWR: ≤1.5
Nominal Impedance: 50 Ω
Polarization: Vertical / Horizontal
Max Power: 100W
Dimension: 190 x 216 x 50 mm
Weight: 1,1 kg
Connector: N female
Rated Wind Velocity: 60 m/s

065-5423, 065-5429, 065-5431
Freq. Range: 5,400 – 5,725 MHz
Gain: 23.5, 28.5, 31.5 dBi
Hor. Beamwidth: 9, 6, 4°
Vert. Beamwidth: 9, 6, 4°
F/B Ratio: ≥30, ≥35, ≥38 dB
VSWR: ≤1.65
Input Impedance: 50 Ω
Polarization: Vertical or Horizontal
Max. Power: 100W
Connector: N Female
Diameter: 0.4, 0.6, 0.9
Weight: 3, 5, 10 kg


Model 065-5423


Model 065-5020