

AIW-534

Cellular Multi-band Dipole Antenna, Covering 600-6000 MHz, Compatible for 2/3/4/5G sub-6/GPS-L1



Features

- Omni-directional radiation pattern
- 4/5G NR FR1 application (600-6000MHz) multi-band antenna
- 90°/135°/180° Hinged SMA-Male connector
- Operating Temperature: -40 ~ 85°C

Specifications

Electrical Characteristics	Frequency	617 – 960 MHz, 1428 – 1610 MHz, 1710 – 2700 MHz, 3300 – 5000 MHz, 5150 – 5850 MHz
	V.S.W. R	< 4.5 @ 617 – 960 MHz
		< 6 @ 1428 – 1610 MHz
	Peak Gain	< 6 @ 1710 – 2700 MHz
		< 4.5 @ 3300 – 5000 MHz
		< 4.5 @ 5150 – 5850 MHz
		-0.7 dBi @ 617 – 960 MHz
		2.16 dBi @ 1428 – 1610 MHz
	Efficiency	1.9 dBi @ 1710 – 2700 MHz
		-0.2 dBi @ 3300 – 5000 MHz
-0.8 dBi @ 5150 – 5850 MHz		
26 – 41 % @ 617 – 960 MHz		
45 – 59 % @ 1428 – 1610 MHz		
Material & Mechanical Characteristics	22 – 58 % @ 1710 – 2700 MHz	
	26 – 42 % @ 3300 – 5000 MHz	
	-20 % @ 5150 – 5850 MHz	
	Polarization	Linear
	Radiation Pattern	Omni-direction
	Impedance	50 ohm
	Application	GSM/UMTS/4G LTE / 5G sub6
	Antenna Type	Dipole
Environmental	Planner Dimensions	133.5 x 19 mm
	Connector Diameter	Ø10mm
	Material of Radiator	PCB
	Material of Plastic	PC+PT / ABS
	Antenna housing color	Black
	Cable Type	RG-178
	Connector Type	SMA- Male
Environmental	Operation Temperature	-40 ~ 85 °C
	Storage Temperature (°C)	-40 ~ 85 °C
	Ingress Protection	N/A
	Power Handling	2 W

Ordering Information

Part No.	Specifications
1751000512-01	5G-Sub6 Multi-band Dipole Ant, SMA/M, BLK, L134mm

Suggested Cable

Part No.	Specification
1751000649-01	Coaxial Cable, 10cm, SMA female to IPEX4
1751000625-01	Coaxial Cable, 15cm, SMA female to IPEX4
1751000633-01	Coaxial Cable, 20cm, SMA female to IPEX4
1751000624-01	Coaxial Cable, 25cm, SMA female to IPEX4
1751000623-01	Coaxial Cable, 30cm, SMA female to IPEX4
1751000650-01	Coaxial Cable, 10cm, SMA female to IPEX1
1751000629-01	Coaxial Cable, 15cm, SMA female to IPEX1
1751000631-01	Coaxial Cable, 20cm, SMA female to IPEX1
1751000628-01	Coaxial Cable, 25cm, SMA female to IPEX1
1751000632-01	Coaxial Cable, 30cm, SMA female to IPEX1