

AIW-530

**Cellular Multi-band Dipole Antenna,
Covering 600-6000 MHz, Waterproof
(IP67), 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
- IP67 level

Specifications

Electrical Characteristics	Frequency	617-960 MHz, 1428-1610 MHz, 1710-2690 MHz, 3300-5000 MHz, 5150-5925 MHz
	V.S.W. R	≤5.0 @ 617-960 MHz ≤4.5 @ 1428-1610 MHz ≤4.0 @ 1710-2690 MHz ≤5.5 @ 3300-5000 MHz ≤5.5 @ 5150-5925 MHz
	Peak Gain	0.81 dBi @ 617-960 MHz 2.77 dBi @ 1428-1610 MHz 2.78 dBi @ 1710-2690 MHz 0.98 dBi @ 3300-5000 MHz 2.75 dBi @ 5150-5925 MHz
	Efficiency	29 – 45% @ 617-960 MHz 42 – 58% @ 1428-1610 MHz 49 – 68% @ 1710-2690 MHz 31 – 58% @ 3300-5000 MHz 21 – 44% @ 5150-5925 MHz
	Polarization	Linear
	Radiation Pattern	Omni-direction
	Impedance	50 ohm
	Application	GSM/UMTS/4G LTE/5G sub6/GPS-L1
	Antenna Type	Dipole
Material & Mechanical Characteristics	Planner Dimensions (straight)	245.8 x Φ 14 mm
	Connector Diameter	Φ 13.5 mm
	Material of Plastic	Fiberglass
	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	IP67
	Humidity	95% @ 25 °C
	Power Handling	10 W

Ordering Information

Part No.	Specifications
1751000640-01	5G-Sub6 Multi-band Dipole Ant, IP67, SMA/M, BLK, L246mm

Suggested Cable

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