

# AIW-531-C

**Cellular Multi-band Dipole Antenna,  
Covering 699-2690 MHz, 0~70°C  
operation, Compatible for 2/3/4G**



## Features

- Omni-directional radiation pattern
- 2/3/4G application (699-2690MHz) multi-band antenna
- 90°/135°/180° Hinged SMA-Male connector
- Operating Temperature: 0 ~ 70°C

## Specifications

Electrical Characteristics	Frequency	699 – 960 MHz, 1710 – 2690 MHz
	V.S.W. R	$\leq 4.5$ @ 699 – 960 MHz $\leq 3.0$ @ 1710 – 2690 MHz
	Peak Gain	1.53 dBi @ 699 – 960 MHz 2.07 dBi @ 1710 – 2690 MHz
	Efficiency	34 – 51 % @ 699 – 960 MHz 46 – 60 % @ 1710 – 2690 MHz
	Polarization	Linear
	Radiation Pattern	Omni-direction
	Impedance	50 ohm
	Application	GSM/UMTS/LTE
Material & Mechanical Characteristics	Antenna Type	Dipole
	Planner Dimensions (straight)	163.1 x 19.6 mm
	Connector Diameter	Ø13.5 mm
	Material of Plastic	ABS
	Antenna housing color	Black
	Cable Type	RG-178
Environmental	Connector Type	SMA- Male
	Operation Temperature	0 ~ 70 °C
	Storage Temperature(°C)	0 ~ 70 °C
	Ingress Protection	N/A
	Power Handling	10 W

## Ordering Information

Part No.	Specifications
1751000590-01	4G Multi-band Dipole Ant, 0~70°C operation, SMA/M, BLK, L163mm

## 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