

AIW-531-I

**Cellular Multi-band Dipole Antenna,
Covering 699-2690 MHz, -40~85°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: -40 ~ 85°C

Specifications

| | | |
|---------------------------------------|------------------------------|--|
| Electrical Characteristics | Frequency | 699 – 960 MHz, 1710 – 2690 MHz |
| | V.S.W. R | ≤ 4.5 @ 699 – 960 MHz ≤ 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 | Φ 13.5 mm |
| | Material of Plastic | ABS |
| | Antenna housing color | Black |
| | Cable Type | RG-178 |
| Environmental | Connector Type | SMA- Male |
| | Operation Temperature | -40 ~ 85 °C |
| | Storage Temperature (°C) | -40 ~ 85 °C |
| | Ingress Protection | N/A |
| | Power Handling | 10 W |

Ordering Information

| Part No. | Specifications |
|---------------|--|
| 1751000652-01 | 4G Multi-band Dipole Ant, -40~85°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 |