2J474B
(DATASHEET)

Type
Multiband antenna

Frequencies
AMPS (824-894 MHz)
GSM (900 MHz)
DCS (1800 MHz)
PCS (1900 MHz)
3G (UMTS 2.1 GHz)

Mounting
Body Mount

Revision
00
1. SPECIFICATION

1.1. Electrical Specifications

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| Frequencies      | AMPS (824-894 MHz)  
|                  | GSM (900 MHz)       
|                  | DCS (1800 MHz)      
|                  | PCS (1900 MHz)      
|                  | 3G (UMTS 2.1 GHz)   |
| Impedance        | 50 Ohms                                      |
| Polarization     | Linear                                       |
| Gain             | 0dBi                                         |
| VSWR             | <3:1                                         |
| Power handling   | 25W                                          |
| Cable length     | min 30cm                                     |
| Operating temp.  | -40°C to +85°C                               |

1.2. Connection Specifications

- Connector type: SMA male
- Cable: RG174
- Cable length: 30 cm

For different cable length and connector type ask our sales team.

1.3. Mechanical Specifications and Dimensions

1.3.1. Body mount

- Material: ABS
- Max. dimensions: 52mm x 26mm
- Weight: 33 g 'weight counted with connection above'
- Colour: Black (for different colours please ask our sales team)
2. MEASUREMENT

2.1. Set for Measurements

Connection: Tested with 30cm cable length.
Temperature: 25 °C
Output power: 0 dBm

DAMS positioner with AUT and reference antenna are placed in anechoic chamber

2.2. Electrical Characteristics

Log Mag

- Tested on metal ground plane (20 x 20cm)

VSWR

- Tested on non-metal ground plane (20 x 20cm)
2.3. Radiation Patterns

868MHz
Freq = 0.8700GHz  Az= 45  EL= 45

900MHz
Freq = 0.9GHz  Az= 45  EL= 45

1800MHz
Freq = 1.8GHz  Az= 45  EL= 45

1900MHz
Freq = 1.9GHz  Az= 45  EL= 45

2100MHz
Freq = 2.1GHz  Az= 45  EL= 45

2400MHz
Freq = 2.4GHz  Az= 45  EL= 45
3. IMAGES