



**PC-27**  
**Internal Mini PCB**  
**Quad-band GSM Antenna**  
(GSM / CDMA / PCS / DCS)



The PC-27 Internal PCB Antenna is a mini rectangular Quad-band GSM antenna for incorporation in antennas and transceiver modules to be used worldwide. Omni-directional gain across all bands ensures constant reception and transmission. Cables and connectors are fully customizable. Antennas can be tuned to customer housing on request.

## Features

### Cellular

- Quad-band GSM                      Worldwide use
- Miniaturized                              Height 1.6mm  
    L\*W    34mm \* 7mm

### Other

- Optional cables and connectors (RG-174, Ipex, Hirose, Murata, etc.)
- ROHS Compliant

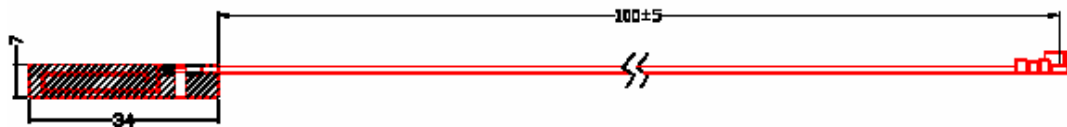


## Specifications

| ELECTRICAL             |   |          |           |           |
|------------------------|---|----------|-----------|-----------|
|                        | AMPS  | GSM      | PCS       | DCS       |
| Band                   | 824-896   | 880-960  | 1850-1990 | 1710-1880 |
| Minimum Return Loss    | -1.39 dB  | -5.98 dB | -4.88 dB  | -4.12 dB  |
| Gain                   | Average 0 dBi   |          |           |           |
| Polarization           | Linear  |          |           |           |
| Impedance              | 50 ohms   |          |           |           |
| Input Power            | 10 watts  |          |           |           |
| Input Connection       | Coaxial Cable – Ipex 1.13 100mm MHF Standard,<br>Fully customizable |          |           |           |
| VSWR (Min performance) | <2.0:1  |          |           |           |
| MECHANICAL             |   |          |           |           |
| Dimensions (L x W)     | 34 mm x 7 mm  |          |           |           |

\*note: specifications may be subject to change

## Outline Drawing





## S11 Magnitude

