850/1900 MHz Diversity RX Ceramic Antenna (single feed)

Pulse Part Number CW3033

**Features**
- Omni directional radiation
- Low profile
- Compact size W x L x H (10 x 3.2 x 4 mm/ 10 x 3.2 x 2 mm)
- Low weight (600 mg /310 mg)
- Lead free materials
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

**Applications**
- GSM 850/1900 MHz band
- 869-894 /1930-1990 MHz

**Electrical specifications @ +25 ° C**

*Note: Electrical characteristics depend on test board (GP) size and antenna positioning on GP and Ground Clearance area size.*

*Typical performance (testboard size 100x37 mm, PWB ground clearance area 10.60 x 8.25 mm/ 10.60 x 6.25 mm)*

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<tbody>
<tr>
<td>869 – 894</td>
<td>1.5 (peak)</td>
<td>-4</td>
<td>70 / -1.55(peak)</td>
<td>50</td>
<td>-40 to +85</td>
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<td>-1 (band edges)</td>
<td></td>
<td>40 / -4(band edges)</td>
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<tr>
<td>1930 – 1990</td>
<td>2 (peak)</td>
<td>-10</td>
<td>75 / -1.3(peak)</td>
<td>50</td>
<td>-40 to +85</td>
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<td>1.5 (band edges)</td>
<td></td>
<td>65 / -1.9(band edges)</td>
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Contact: mobiledeviceantenna.sales@pulseelectronics.com
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Typical Electrical Characteristics (T=25 °C)

Measured on the 100 x 37mm test board

850 MHz typical Return Loss S11/ impedance

1900 MHz typical Return Loss S11/ impedance

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850 MHz free space efficiency and maximum gain

1900 MHz free space efficiency and maximum gain

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850 MHz Typical Free Space Radiation Patterns

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1900 MHz Typical Free Space Radiation Patterns

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