ISM & Licensed Band Antennas

- IR-GSMPB-02-C5
- IR-GSMQB-00-C5
- OE-CMB-RD-C5C6
- OE-CMB-RD-C8C9
- OS-GSMQB-00-C5

- OS-ISMDB-0507-C0
- OS-UMTS-0103-C0

Frequency Bands:

- **ISM (Wi-Fi, 802.11b/g)**: 2.400 to 2.480 MHz (US, EU)
- **UTM3 (WCDMA)**: 870 to 960 MHz (EU)
- **1,650 to 1,900 MHz**
- **ISAT-E Shore**
- **1,710 to 1,880 MHz**
- **BRs (MMDS)**, IMT 2.500 to 2.690 MHz
- **US WCDMA Korea**
- **2.305 to 2.420 MHz**
- **2.345 to 2.430 MHz**
- **2.360 MHz**
- **3.300 to 3.340 MHz**
- **3.600 to 3.800 MHz**
- **Low U-NII, WRC-03 (Wi-Fi, 802.11a)**: 5.150 to 5.350 MHz
- **5.75 to 5.85 MHz**
- **Upper U-NII**

Bandwidths:

- **824 to 894 MHz**
- **1,575 MHz**
- **412 to 495 MHz (EU)**
- **870 to 960 MHz (EU)**
- **1,850 to 1,900 MHz**
- **1,710 to 1,880 MHz**
- **3.400 to 3.600 MHz**
- **3.5 GHz band**

Band Colors:

- **ISM (EU)**: 870 to 960, 1,710 to 1,880
- **GSM (EU)**: 870 to 960, 1,710 to 1,880
- **Fixed WiMax bands**
- **Mobile WiMax bands**
- **Unlicensed bands**
- **UTM3 (WCDMA)**: 870 to 960 MHz (EU)
- **UTM3 (WCDMA)**: 1,900 to 2170 MHz
- **BRs (MMDS)**, IMT 2.500 to 2.690 MHz
- **US WCDMA Korea**
- **2.305 to 2.420 MHz**
- **2.345 to 2.430 MHz**
- **2.360 MHz**
- **3.300 to 3.340 MHz**
- **3.600 to 3.800 MHz**
- **Low U-NII, WRC-03 (Wi-Fi, 802.11a)**: 5.150 to 5.350 MHz
- **5.75 to 5.85 MHz**
- **Upper U-NII**

Additionally:

- **COmPAH (US)**: 0.24 to 0.25, 1.850 to 1.930 MHz
- **GPS**: 1.575 MHz
- **UTM3 (WCDMA)**: 1.900 to 2170 MHz
- **3.400 to 3.600 MHz**
- **3.5 GHz band**

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www.element14.com
www.farnell.com
www.newark.com
## ISM & Licensed Band Antennas

### Specifications Table

<table>
<thead>
<tr>
<th>GTT P/N</th>
<th>Frequency Range</th>
<th>Gain</th>
<th>Connector</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IR-GSMQB-00-C5</td>
<td>824 to 960, 1,710 to 1,990 MHz</td>
<td>0 dBi</td>
<td>SMA</td>
<td>L = 87</td>
</tr>
<tr>
<td>OS-GSMQB-00-C5</td>
<td></td>
<td></td>
<td></td>
<td>L = 46</td>
</tr>
<tr>
<td>IR-GSMPB-02-C5</td>
<td>824 to 960, 1,710 to 2,170 MHz</td>
<td>2 dBi</td>
<td></td>
<td>L = 130</td>
</tr>
<tr>
<td>OS-UMTS-0103-C0</td>
<td></td>
<td>3 dBi</td>
<td>N</td>
<td>L = 178</td>
</tr>
<tr>
<td>OE-CMB-RD-C8C9</td>
<td>824 to 960, 1,710 to 2,170 MHz &amp; GPS</td>
<td>GPS 6 dBi</td>
<td>Fakra C (GPS)</td>
<td>4 (Cable Length)</td>
</tr>
<tr>
<td>OE-CMB-RD-C5C6</td>
<td></td>
<td></td>
<td>Fakra D (GSM)</td>
<td></td>
</tr>
<tr>
<td>OS-ISMDB-0507-C0</td>
<td>2.4 to 2.5 &amp; 4.9 to 5.875 GHz (802.11a/b/g/n)</td>
<td>11 b/g 5 dBi, 11a 7 dBi</td>
<td>N</td>
<td>L = 178</td>
</tr>
</tbody>
</table>

### Part Number Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antenna, GSM, Quad Band</td>
<td>IR-GSMQB-00-C5</td>
</tr>
<tr>
<td>Antenna, GSM, Quad Band, Outdoor</td>
<td>OS-GSMQB-00-C5</td>
</tr>
<tr>
<td>Antenna, GSM/UMTS, Penta Band</td>
<td>IR-GSMPB-02-C5</td>
</tr>
<tr>
<td>Antenna, GSM/UMTS, Penta Band, Outdoor</td>
<td>OS-UMTS-0103-C0</td>
</tr>
<tr>
<td>Antenna, GPS/GSM, Combo, Fakra C &amp; D</td>
<td>OE-CMB-RD-C8C9</td>
</tr>
<tr>
<td>Antenna, 2.4/5GHz, Outdoor, N Type</td>
<td>OS-ISMDB-0507-C0</td>
</tr>
</tbody>
</table>

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