Indoor Coverage for 1800 MHz GSM and 1800 MHz LTE Applications

Product Classification

**Product Type**
RF repeater unit

General Specifications

**Antenna Interface at Repeater**
SMA Female

**Indoor Antenna**
Optional, not included

**Optional Antenna Gain**
2 dBi

**Optional Antenna Type**
Omni

**Performance Note**
Values typical, unless otherwise stated

**Supervision/Control Option**
Heartbeat via SMS | Remote control

Dimensions

**Height**
240 mm | 9.449 in

**Width**
240 mm | 9.449 in

**Optional Antenna Length**
80 mm | 3.15 in

**Depth**
35 mm | 1.378 in

Electrical Specifications

**Return Loss**
10 dB

**Gain**
70 dB

**Gain Adjustment Range**
30 dB

**License Band**
GSM 1800 | LTE 1800

**Local Power**
6 Vdc

**Mains Power**
100–240 Vac

**Power Consumption**
20 W
Electrical Specifications, Rx (Uplink)

<table>
<thead>
<tr>
<th>Operating Frequency Band</th>
<th>1730 – 1785 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power @ One Carrier</td>
<td>18 dBm (3GPP)</td>
</tr>
<tr>
<td>Output Power @ Two Carriers</td>
<td>15 dBm (3GPP)</td>
</tr>
<tr>
<td>Output Power Note</td>
<td>Possible slight degradation of LTE requirement unwanted emission limit at certain passband adjustments and carrier constellation</td>
</tr>
</tbody>
</table>

Electrical Specifications, Tx (Downlink)

<table>
<thead>
<tr>
<th>Operating Frequency Band</th>
<th>1825 – 1880 MHz</th>
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<tr>
<td>Output Power @ One Carrier</td>
<td>18 dBm (3GPP)</td>
</tr>
<tr>
<td>Output Power @ Two Carriers</td>
<td>15 dBm (GSM 05.05)</td>
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</table>

Environmental Specifications

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>+5 °C to +40 °C (+41 °F to +104 °F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingress Protection Test Method</td>
<td>IEC 60529:2001, IP30</td>
</tr>
</tbody>
</table>

Packaging and Weights

| Weight, net | 1.5 kg | 3.307 lb |

Regulatory Compliance/Certifications

<table>
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<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
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<tr>
<td>CHINA-ROHS</td>
<td>Above maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
</tr>
<tr>
<td>ROHS</td>
<td>Compliant/Exempted</td>
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