Indoor Coverage and High Speed Dual Enhancer for 1700 MHz AWS 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**

90 mm  |  3.543 in

**Depth**

35 mm  |  1.378 in

Electrical Specifications

**Return Loss**

10 dB

**Gain**

78 dB

**Gain Adjustment Range**

30 dB

**License Band**

AWS 1700

**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>1710 – 1755 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power @ One Carrier</td>
<td>18 dBm (UMTS)</td>
</tr>
<tr>
<td>Output Power @ Two Carriers</td>
<td>15 dBm (UMTS)</td>
</tr>
</tbody>
</table>

**Electrical Specifications, Tx (Downlink)**

<table>
<thead>
<tr>
<th>Operating Frequency Band</th>
<th>2110 – 2155 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power @ One Carrier</td>
<td>18 dBm (UMTS)</td>
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**Environmental Specifications**

<table>
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<tr>
<th>Operating Temperature</th>
<th>+5 °C to +40 °C (+41 °F to +104 °F)</th>
</tr>
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<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>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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* Footnotes

**EVM**

Error Vector Magnitude