Tower Mounted Amplifier

TTA-DA100x
700 / 800 | Twin TMA | AISG v2.0 | Fixed Gain

- 700 / 800, Twin TMA, AISG v2.0
- Available in single mode or independent AISG
- Increases coverage and capacity
- Helps to minimize site acquisition issues
- Reduces the cost of network expansion

### Ordering Options

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Single Mode (1x AISG)</th>
<th>Independent AISG (2x AISG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/16-DIN Connectors</td>
<td>TTA-DA100H</td>
<td>TTA-DA100N</td>
</tr>
<tr>
<td>4.3/10 Connectors</td>
<td>TTA-DA100H-43F</td>
<td>TTA-DA100N-43F</td>
</tr>
</tbody>
</table>

### RF Characteristics

#### Downlink (TX) Path

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>Insertion Loss (typical)</th>
<th>Continuous Average Power (53 dBm)</th>
<th>Intermodulation (2x43 dBm TX carrier, BTS Port)</th>
<th>Uplink (RX) Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>758-788 MHz</td>
<td>0.4 dB</td>
<td>200 W</td>
<td>-117 dBm in RX band, ANT port</td>
<td>700</td>
</tr>
<tr>
<td>791-821 MHz</td>
<td>0.4 dB</td>
<td>200 W</td>
<td>-117 dBm in RX band, ANT port</td>
<td>800</td>
</tr>
</tbody>
</table>

#### Uplink (RX) Path

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>Gain (nominal)</th>
<th>Noise Figure (typical)</th>
<th>Insertion Loss, Bypass Mode (typical)</th>
<th>Output IP3 (typical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>703-733 MHz</td>
<td>12 dB</td>
<td>1.1 dB</td>
<td>1.7 dB</td>
<td>&gt; 25 dBm</td>
</tr>
<tr>
<td>832-862 MHz</td>
<td>12 dB</td>
<td>1.1 dB</td>
<td>1.7 dB</td>
<td>&gt; 25 dBm</td>
</tr>
</tbody>
</table>

### Power Supply and Alarm - AISG Mode

<table>
<thead>
<tr>
<th>DC Supply Voltage</th>
<th>24 V DC nominal (9-31 V DC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Consumption</td>
<td>&lt; 4 W</td>
</tr>
<tr>
<td>Control Protocol</td>
<td>3GPP/AISG v2.0</td>
</tr>
</tbody>
</table>

### Environmental Characteristics

<table>
<thead>
<tr>
<th>Operating Temperature Range</th>
<th>-40° to +65° C (-40° to +149° F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation</td>
<td>ETS 300 019-1-4</td>
</tr>
<tr>
<td>Storage</td>
<td>ETS 300 019-1-1</td>
</tr>
<tr>
<td>Ingress Protection</td>
<td>IP67</td>
</tr>
<tr>
<td>EMC</td>
<td>EN 301 489-8</td>
</tr>
<tr>
<td>Safety Standards</td>
<td>EN 60950</td>
</tr>
<tr>
<td>MTBF (minimum)</td>
<td>1 Mt/TMA</td>
</tr>
</tbody>
</table>

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.
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