# BRN Series - Chip Balun Transformers

## Features
- SMD gull-wing (two sizes)
- High frequency
- Low Z tolerance ±10%

## Applications
- Single antenna systems
- Master antenna systems
- Wideband communication systems
- SAT-systems
- Digital satellite broadcasting
- Used in antenna amplifiers

## Dimensions

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRN-SBC-108</td>
<td>6.0 ±0.3 (0.236 ± 0.012)</td>
<td>6.5 ±0.5 (0.256 ± 0.020)</td>
<td>4.2 ±0.5 (0.165 ± 0.020)</td>
<td>2.0 ±0.2 (0.079 ± 0.008)</td>
<td>5.8 ±0.3 (0.228 ± 0.012)</td>
</tr>
</tbody>
</table>

## Configuration

**Schematic**

Direct distribution of high frequency energy by directional couplers

**Electrical Data Z (4-5)**

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>47 MHz</td>
<td>160Ω</td>
</tr>
<tr>
<td>230 MHz</td>
<td>270Ω</td>
</tr>
<tr>
<td>470 MHz</td>
<td>275Ω</td>
</tr>
<tr>
<td>860 MHz</td>
<td>290Ω</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice.
Chip Balun Transformer Packaging Specifications

Packaging Specifications

![Diagram of packaging specifications]

Reel Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Tape Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>G</th>
<th>N</th>
<th>T</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRN-SBC-108</td>
<td>16 (.63)</td>
<td>178 (7.008)</td>
<td>24.0 ±1 (.945 ±0.039)</td>
<td>13.0 ±0.5 (.512 ±0.020)</td>
<td>18 (.709)</td>
<td>50.0 (1.969)</td>
<td>22.4 (0.882)</td>
<td>500 pcs. per Reel</td>
</tr>
</tbody>
</table>

DIMENSIONS ARE: METRIC (INCHES)

Strength Of Cover Tape

The force for tearing off cover tape is 10 to 130 grams in the arrow direction.

Materials

- Paper
- Plastics

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