1:1 Flux Coupled Balun Transformer
5 - 120 MHz

Features
- 1:1 Impedance Ratio
- 75 Ω
- Surface Mount Package
- RoHS* Compliant

Description
The MABA-008965-CF1160 is a 1:1 RF flux coupled transformer in a surface mount package.

Ideally suited for high volume CATV application.

Absolute Maximum Ratings

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Absolute Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF Power</td>
<td>250 mW</td>
</tr>
<tr>
<td>DC Current</td>
<td>30 mA</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +85°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40°C to +85°C</td>
</tr>
</tbody>
</table>

Ordering Information

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MABA-008965-CF1160</td>
<td>2000 piece reel</td>
</tr>
<tr>
<td>MABA-008965-CF11TB</td>
<td>customer test board</td>
</tr>
</tbody>
</table>

Reference Application Note M513 for reel size information.

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Visit www.macom.com for additional data sheets and product information.
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5 - 120 MHz

Typical Performance Curves: $T_A = 25^\circ C$, $Z_0 = 75 \, \Omega$, $P_{IN} = 0 \, \text{dBm}$

Insertion Loss 1 (Pin5 - Pin1)

Insertion Loss 2 (Pin5 - Pin3)

Amplitude Balance

Phase Balance

Return Loss: Input
Case Style SM-22A

Dimensions are inches [millimeters] ±0.015 [0.38] unless otherwise specified.
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