RF SPLITTER/COMBINER
For RF Applications in Cable Media Products and Distribution Equipment: 2-Way; 0°

- Operating bandwidth: 5MHz to 1000MHz
- Ideal for cable distribution equipment and set top box applications

## Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Freq. (MHz)</th>
<th>Z (Ω)</th>
<th>Frequency Range (MHz)</th>
<th>Isolation (dB TYP/MIN)</th>
<th>Insertion Loss (dB TYP/MAX)</th>
<th>Phase Unbalance (Deg, MAX)</th>
<th>Frequency Range (MHz)</th>
<th>Return Loss Input (dB TYP/MIN)</th>
<th>Return Loss Output (dB TYP/MAX)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4036</td>
<td>5-1000</td>
<td>75</td>
<td>5-40</td>
<td>25 /19</td>
<td>0.40 /1.0</td>
<td>0.60</td>
<td>3.0°</td>
<td>5-40</td>
<td>31 /16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40-400</td>
<td>27 /19</td>
<td>0.40 /0.70</td>
<td>0.40</td>
<td>3.0°</td>
<td>40-870</td>
<td>27 /16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>400-500</td>
<td>27 /16</td>
<td>0.50 /0.70</td>
<td>0.60</td>
<td>3.0°</td>
<td>870-1000</td>
<td>18 /16</td>
</tr>
</tbody>
</table>

**NOTE:** This part requires an external 160 Ω resistor between pins 3 and 4. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: C4036 T).

## Mechanical

**Dimensions:**
- **Weight:** 0.35 grams
- **Tape & Reel:** 2200/reel

**Unless otherwise specified, all tolerances are ± 0.005 inches**

**User Direction of Feed:**
- QTY: 2200 parts/reel

---

For More Information:

**UNITED STATES (Worldwide)**
- 12220 World Trade Drive
- San Diego, CA 92128
- U.S.A.
- http://www.pulseeng.com
- TEL: 858 674 8100
- FAX: 858 674 8262

**UNITED KINGDOM (Northern Europe)**
- S Huxley Road
- Guildford, Surrey GU2 5RE
- United Kingdom
- TEL: 44 1483 401700
- FAX: 44 1483 401701

**FRANCE (Southern Europe)**
- Zone Industrielle F-39270
- Orléans France
- TEL: 33 3 84 35 04 04
- FAX: 33 3 84 25 46 41

**SINGAPORE (Southern Asia)**
- 150 Kampong Ampat #07-01/02
- Singapore 368324
- TEL: 65 6287 8998
- FAX: 65 6280 0800

**TAIWAN, R.O.C. (Northern Asia)**
- 3F-4, No. 81, Sec. 1
- HsinTai Wu Road
- Taipei Hsien Taiwan, R.O.C.
- TEL: 886 2 2698 0228
- FAX: 886 2 2698 0948

**HONG KONG (China/Hong Kong)**
- 9F, Phase 2, Tai Sang
- Shatin Warehouse Centre
- 6 Wong Chuk Yeung Street
- Fotan, Shatin, Hong Kong
- TEL: 852 2788 6588
- FAX: 852 2776 1055

---

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.

©2004, Pulse Engineering, Inc. All Rights Reserved.

C241.A (6/04)