Ultra-Small Ceramic
Power Splitter/Combiner
2 Way-0°  50Ω  1425 to 1900 MHz

Maximum Ratings
Operating Temperature  -55°C to 100°C
Storage Temperature  -55°C to 100°C
Power Input (as a splitter)  20W* max.

Pin Connections
SUM PORT 2
PORT 1  6
PORT 2  4
GROUND 1.35
PORT 1-2 resistor external 100 OHMS

Features
- isolation resistor, external 100 ohms
- low insertion loss, 0.5 dB typ.
- excellent amplitude unbalance, 0.2 dB typ.
- good phase unbalance, 2.0 deg. typ.
- high isolation, 25 dB typ.
- excellent power handling, 20W as splitter
- small size, 0.12”X.06”X.035”
- ESD non-sensitive
- temperature stable LTCC technology
- wrap around terminations for excellent solderability
- low cost
- protected by US patent 6,967,544

Applications
- GPS
- PCN

Electrical Specifications

<table>
<thead>
<tr>
<th>FREQUENCY (MHz)</th>
<th>INSERTION LOSS (dB) ABOVE 3.0 dB</th>
<th>ISOLATION (dB)</th>
<th>PHASE UNBALANCE (Degrees)</th>
<th>AMPLITUDE UNBALANCE (dB)</th>
<th>RETURN LOSS (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1425-1900</td>
<td>0.5 0.9</td>
<td>23 17</td>
<td>2.5 4.0</td>
<td>0.25 0.4</td>
<td>15 18</td>
</tr>
<tr>
<td>1550-1800</td>
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</tr>
</tbody>
</table>

Notes
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit’s applicable established test performance criteria and measurement instructions.
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Demographics
A. The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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