### A. Series

<table>
<thead>
<tr>
<th>Name</th>
<th>Angle Tolerance</th>
<th>Distance Tolerance</th>
<th>Area</th>
<th>Frequency</th>
<th>VSWR</th>
<th>Power (Watt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMP-Max</td>
<td>±3° Max</td>
<td>0.25 mm (0.010 in)</td>
<td>4 mm² (0.16 in²)</td>
<td>6 GHz</td>
<td>1.10</td>
<td>100 W</td>
</tr>
<tr>
<td>SMP</td>
<td>±3.5° Max</td>
<td>0.25 mm (0.010 in)</td>
<td>5 mm² (0.19 in²)</td>
<td>12.4 GHz</td>
<td>1.12</td>
<td>120 W</td>
</tr>
<tr>
<td>BMR-Spring</td>
<td>±4.5° Max</td>
<td>0.6 mm (0.024 in)</td>
<td>6 mm² (0.236 in²)</td>
<td>12.4 GHz</td>
<td>1.15</td>
<td>150 W</td>
</tr>
</tbody>
</table>

#### Board to Board Measurements

- **B2B distance**:
  - **Optimum distance** = a + c + d + b/2
  - **Minimum distance** = a + c + d(*)

- **Distance tolerance and axial misalignment**
  - a = adapter length (no force applied)
  - b = axial tolerance

#### Module to Module Measurements

- **Optimum distance** = a - c1 - d1 + b/2
- **Minimum distance** = a - c1 - d1(*)

### B. Distance Measurements

- **S2B distance**
  - Reference plane: a, b, c, d
  - Optimum distance: a + d - c1 + b/2
  - Minimum distance: a + d – c1(*)

#### B2B distance

- Reference plane: a, b, c, d
  - Optimum distance: a + d - c + b/2
  - Minimum distance: a + d – c(*)

### C. Electrical Options

- **Frequency**: Measured in GHz (Max)
- **Power (Watt)**: Measured at 2.7 GHz

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*For more precise distance calculation including machining tolerance, please refer to B2B connection guidelines. Please consult us for precise distance calculation including machining tolerance. Contact us for precise distance calculation including machining tolerance. Please consult us.*
It’s not just a slogan. It’s a statement of our earnest desire to put you at the forefront of all our business practices. As part of Radiall’s mission to be available and accessible, we make it a priority to have local offices around the globe ready and able to assist you – wherever you are, whenever you need us.

Our most important connection is with you™

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Radiall Navigator™

Radiall Navigator™ is a tool designed to assist our partners and customers that provides sharing information about Radiall products as easy as possible in one single document.

With this in mind, we have created Radiall Navigator as a supplemental guide to information available in our catalogs and on our website (www.radiall.com). We recognize that time is a very limited and valuable asset. We are confident that Radiall Navigator will help users understand our products, terminologies, and references better.

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Radiall’s Vision Statement

Connectivity has a profound and dramatic impact on the lives of people throughout the world. Because of advancements in technology, our lives are more convenient, secure, more enjoyable, and richer than ever. The speed of data enables communication in the most remote areas so people can reach all corners of the globe, allows for important defense and security, and facilitates space exploration. But technology doesn’t happen. It starts in the mind with ideas, making connections never considered in ways that nobody dreamed possible. Seeing the future in ways previously unimaginable is the act of innovation and it begins with people – inventors, the dreamers, the pioneers and the engineers – enriching the lives of billions. At Radiall, we have one single, solitary mission; Empower the people that enrich our lives. Enable their innovation by providing reliability and repeatability. Give them useful information and provide them with valuable guidance when determining the best course for success. We don’t invent the future, we enable it. We inspire innovation, we embrace challenges, we challenge the conventional and we collaborate with you to succeed. At Radiall, we’re proud to say – Our most important connection is with you.