FEATUERES
- 12 to 45 GHz
- Even power splitting
- Low insertion loss
- Wide bandwidth
- High port isolation

APPLICATIONS
- Laboratory
- Instrumentation
- Subsystems

DESCRIPTION
PPD series coax standard power dividers are available in 2 way and 4 way power splitting configuration to cover the frequency range of 12 to 45 GHz frequency range. Unlike their resistive counterpart, these power dividers offer extremely low insertion loss and high port to port isolation while having moderate operating bandwidth. The power dividers are ideal choices where the precise power splitting is required. The power dividers can be used as power combiners.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency Range (GHz)</th>
<th>12 to 18</th>
<th>18 to 25</th>
<th>20 to 30</th>
<th>25 to 35</th>
<th>30 to 40</th>
<th>35 TO 45</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>PPD-SF150602</td>
<td>PPD-KF220802</td>
<td>PPD-KF251002</td>
<td>PPD-KF301002</td>
<td>PPD-KF351002</td>
<td>PPD-2F401002</td>
</tr>
<tr>
<td>Insertion Loss (dB Typical)</td>
<td>1.4</td>
<td>1.5</td>
<td>1.6</td>
<td>1.7</td>
<td>1.9</td>
<td>2.0</td>
</tr>
<tr>
<td>Amplitude Balance (dB Max)</td>
<td>± 0.12</td>
<td>± 0.15</td>
<td>± 0.18</td>
<td>± 0.20</td>
<td>± 0.22</td>
<td>± 0.25</td>
</tr>
<tr>
<td>Port Isolation (dB, Min)</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>VSWR (Typical)</td>
<td>2:1</td>
<td>2:1</td>
<td>2:1</td>
<td>2:1</td>
<td>2:1</td>
<td>2:1</td>
</tr>
</tbody>
</table>

TECHNICAL NOTATION
- These power dividers offer wider operating bandwidth than shown above with moderate performance degradation. For example, PDD-KF301002 can cover 25 to 40 GHz frequency range with slightly higher VSWR (2.5:1) in 35 to 40 GHz frequency band.
- The standard products are equipped with K (2.92 mm) female coax connectors. Different type connectors, such as 2.4 mm or V connectors, both male and female type are available per request.
- To order the product with the specification other than listed, contact factory with your detailed requirement.
WT-E-1

WT-E-2

WT-E-3

WT-E-4

WT-E-5

WT-E-6

The flange pattern shown is for illustration purpose. Refer to Technical Reference Section for flange pattern details. The outline drawings shown are standard versions. Contact factory for your specific package requirements.
Passive Component Outline Drawings #2

The flange pattern shown is for illustration purpose. Refer to Technical Reference Section for flange pattern details. The outline drawings shown are standard versions. Contact factory for your specific package requirements.