**PRINCIPAL SPECIFICATIONS**

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<tbody>
<tr>
<td>PDM-30-50</td>
<td>1 - 100</td>
<td>1 - 100</td>
<td>30</td>
<td>33</td>
<td>0.6</td>
<td>0.3</td>
<td>2°</td>
<td>1°</td>
<td>0.2</td>
<td>0.1</td>
<td>1.3:1</td>
<td>1.25:1</td>
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<td>1 - 300</td>
<td>2 - 200</td>
<td>27</td>
<td>33</td>
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<td>3°</td>
<td>1°</td>
<td>0.3</td>
<td>0.1</td>
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<td>1.2:1</td>
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<tr>
<td>PDM-30-525</td>
<td>50 - 1000</td>
<td>100 - 500</td>
<td>25</td>
<td>30</td>
<td>1.0</td>
<td>0.6</td>
<td>4°</td>
<td>2°</td>
<td>0.4</td>
<td>0.4</td>
<td>1.5:1</td>
<td>1.3:1</td>
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<tr>
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<td>700 - 1400</td>
<td>700 - 1400</td>
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<td>25</td>
<td>1.2</td>
<td>0.8</td>
<td>5°</td>
<td>3°</td>
<td>0.5</td>
<td>0.3</td>
<td>1.4:1</td>
<td>1.25:1</td>
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<tr>
<td>PDM-30-1100</td>
<td>100 - 2000</td>
<td>100 - 2000</td>
<td>18</td>
<td>20</td>
<td>2.2</td>
<td>1.5</td>
<td>10°</td>
<td>5°</td>
<td>0.7</td>
<td>0.5</td>
<td>1.5:1</td>
<td>1.3:1</td>
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</tbody>
</table>

**GENERAL SPECIFICATIONS**

- Coupling: ~ 4.8 dB nom.
- Impedance: 50 Ω nom.
- Internal Load Dissipation: 250 mW max.
- CW Power Input: 1 W max. (When used as divider with 1.2:1 VSWR out)
- Connectors, SMA Female: to meet interface requirements of MIL-C-39012
- Weight, nominal: 2 oz. (57 g)
- Operating Temperature: ~ 55°C to +85°C

**General Notes:**

1. The PDM-30 series of 3-way In-Phase, Power Dividers/Combiners covers 1 to 2,000 MHz, using a special lumped element design to reduce size.
2. Similar units are available with up to sixteen output ports and with power capacity up to several kilowatts.
PDM-30 Series

0° POWER DIVIDERS / COMBINERS
1 to 2000 MHz / 3-Way / Wide Bandwidth / Low Insertion Loss / Lumped Element Design / SMA

PDM-30-50

PDM-30-150/525/1050/1100

NOTES:
1. Tolerance on 3 place decimals ±.020(.51) except as noted.
2. Dimensions in inches over millimeters.

19Feb96