

**PRINCIPAL SPECIFICATIONS**

| Model Number  | Frequency Range, MHz | Freq. Perform., MHz | Isolation, dB, Min. | Typ. | Max. | Insertion Loss, dB, Typ. | Phase Balance, Typ. | Max. | Amplitude Bal., dB, Typ. | Max. | VSWR (In/Output) Typ. | Max.  | Weight, oz.(g) Nom. |
|---------------|----------------------|---------------------|---------------------|------|------|--------------------------|---------------------|------|--------------------------|------|-----------------------|-------|---------------------|
| PDML-30A-100  | 2 - 300              | 2 - 200             | 28                  | 32   | 1.0  | 0.8                      | 3°                  | 2°   | 0.3                      | 0.15 | 1.35:1                | 1.2:1 | 0.9(25)             |
|               |                      | 200 - 300           | 20                  | 25   | 1.2  | 1.0                      | 4°                  | 3°   | 0.4                      | 0.2  | 1.60:1                | 1.3:1 |                     |
| PDML-30A-500  | 50 - 1000            | 50 - 800            | 20                  | 25   | 1.5  | 0.8                      | 8°                  | 3°   | 0.5                      | 0.3  | 1.5:1                 | 1.3:1 | 0.9(25)             |
|               |                      | 800 - 1000          | 20                  | 25   | 2.2  | 1.5                      | 10°                 | 5°   | 0.7                      | 0.5  | 1.7:1                 | 1.4:1 |                     |
| PDML-30A-1100 | 100 - 2000           | 100 - 2000          | 18                  | 20   | 2.2  | 1.5                      | 10°                 | 5°   | 0.7                      | 0.5  | 1.5:1                 | 1.3:1 | 0.9(25)             |

**General Notes:**

1. The PDML-30 series of In-Line 3-way Power Dividers/ Combiners covers 2 to 2000 MHz using a high performance lumped element design. All units are housed in a convenient, low profile, 0.4 inch (10 mm) SMA package.

**GENERAL SPECIFICATIONS**

Nominal Coupling: – 4.8 dB  
 Impedance: 50 Ω nom.  
 CW Input Power: 1W max.  
 (When used as divider with 1.2:1 VSWR<sub>out</sub>)  
 Internal Load Dissipation: 50 mW max.  
 Operating Temperature: – 55° to +85°C

**“A” Package Outline**