

PRINCIPAL SPECIFICATIONS

| Model Number | Freq. Range, GHz | Isolation, dB, Min. | Insertion Loss, dB, Max. | Phase Balance, Max. | Amplitude Balance, dB, Max. | VSWR, Max. | | | CW Input Power, Max., with VSWR _{out} | | | Outline Dwg Ref. |
|--------------|------------------|---------------------|--------------------------|---------------------|-----------------------------|------------|--------|-------|------------------------------------------------|----|-----|------------------|
| | | | | | | In | Out | 1.2:1 | 2.0:1 | ∞ | 30W | |
| PDM-44M-10G | 2.0 - 18.0 | 15 | 2.00 | 6° | 0.6 | 1.60:1 | 1.50:1 | 30W | 10W | 1W | 7 | |
| PDM-44M-13G | 8.0 - 18.0 | 18 | 1.50 | 6° | 0.6 | 1.50:1 | 1.50:1 | 30W | 10W | 1W | 5 | |

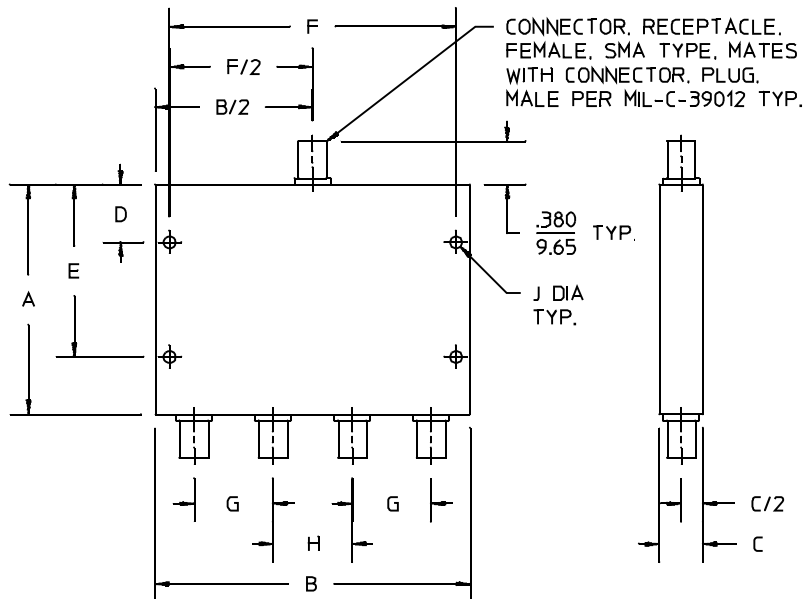
General Notes:

1. The PDM-44M series of 4-way Power Dividers/Combiners covers 2 to 18 GHz using a multi-section Wilkinson design providing high isolation and low VSWR. Etched PTFE fiberglass stripline circuits are encased in a miniature machined housing that minimizes moding and provides an effective RF shield.

GENERAL SPECIFICATIONS

Impedance: 50 Ω nom.
 Operating Temperature: -55° to +85°C
 Available Connectors: (Inquire)

Package Outline



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

| OUTLINE | A | B | C | D | E | F | G | H | J | WT. OZ. (G) |
|---------|----------------|----------------|--------------|----------------|----------------|----------------|---------------|---------------|--------------|-------------|
| 5 | 2.000 50.80 | 2.000 50.80 | .380 9.65 | 1.000 25.40 | — | 1.700 43.18 | .500 12.70 | .500 12.70 | .104 2.64 | 2.65 (75) |
| 7 | 2.850 72.39 | 2.000 50.80 | .380 9.65 | .950 24.13 | 1.900 48.26 | 1.700 43.18 | .500 12.70 | .500 12.70 | .104 2.64 | 3.53 (100) |

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