

PDM-44M SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 2 to 18 GHz
- 4-way
- Uniform Phase & Amplitude Balance
- Low Insertion Loss
- High Isolation
- SMA

<u>PRINCIPAL SPECIFICATIONS</u>											
Model Number	Freq. Range, GHz	Isolation, dB, Min.	Insertion Loss, dB, Max.	Phase Balance, Max. °	Amplitude Balance, dB, Max.	VSWR, Max. In	VSWR, Max. Out	CW Input Power, Max., with VSWR _{out}			Outline Dwg Ref.
								1.2:1	2.0:1	∞	
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

CONNECTOR, RECEPTACLE, FEMALE, SMA TYPE, MATES WITH CONNECTOR, PLUG, MALE PER MIL-C-39012 TYP.

.380
9.65 TYP.

J DIA TYP.

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)

19Feb96

