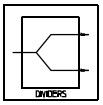
PDM-24M Series 0° POWER DIVIDERS / COMBINERS

2 to 18 GHz / 2-Way / Uniform Phase & Ampli. Bal. / Low Insertion Loss / High Isolation / SMA

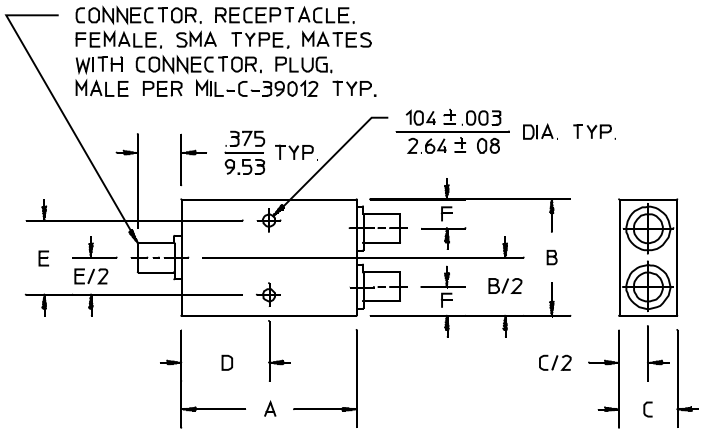


PRINCIPAL SPECIFICATIONS

Model Number	Freq. Range, GHz	Isolation, dB, Min.	Insert. Loss, dB, Max.	Phase Bal., Max.	Amplitude Balance, dB, Max.	VSWR, Max. In	VSWR, Max. Out	CW Input Power, Max., With VSWR$_{out}$ 1.2:1	2.0:1	∞	Outline Dwg. Ref.
PDM-24M-6G	2.0 - 8.0	20	0.40	4°	0.2	1.35:1	1.35:1	30 W	10 W	1W	3
PDM-24M-10G	2.0 - 18.0	16	1.00	5°	0.3	1.50:1	1.50:1	30W	10W	1W	5
PDM-24M-13G	8.0 - 18.0	20	0.60	5°	0.2	1.35:1	1.40:1	30W	10W	1W	1

Package Outline

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



OUTLINE	A	B	C	D	E	F	WT. OZ. (G)
1	1.000 25.40	1.000 25.40	.500 12.70	.500 12.70	.640 16.26	.250 6.35	.99 (28)
3	2.000 50 80	1.500 38.10	.500 12.70	1.000 25.40	1.310 33 27	.250 6 35	2.47 (70)
5	1.620 41.15	1.000 25.40	.380 9.65	.750 19.05	.850 21.59	.250 6.35	1.20 (34)

GENERAL SPECIFICATIONS

Impedance:	50 Ω nom.
Operating Temperature:	– 55° to + 85°C

General Notes:

1. The PDM-24M series of 2-way In-Phase Power Dividers/Combin - ers covers multi-octave frequency bands from 2 GHz to 18 GHz. Each uses a multi-section Wilkinson de - sign providing high isolation and low VSWR.

2. Etched PTFE fiberglass stripline circuits are encased in a miniature machined housing that minimizes moding and provides an effective RF shield.

3. Many units in this series are avail able from stock for fast delivery.

07/19/10

For further information contact ***MERRIMAC / 41 Fairfield Pl., West Caldwell, NJ, 07006 / 973-575-1300 / FAX 973-575-0531***