

PDM-24M SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

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

PRINCIPAL SPECIFICATIONS												
Model Number	Freq. Range, GHz	Isolation, dB, Min.	Insert. Loss, dB, Max.	Phase Bal., 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	∞		
PDM-24M-6G	2.0 - 8.0	20	0.30	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

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

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.

GENERAL SPECIFICATIONS

Impedance: 50 Ω nom.

Operating Temperature: -55° to +85°C

General Notes:

- The PDM-24M series of 2-way In-Phase Power Dividers/Combiners covers multi-octave frequency bands from 2 GHz to 18 GHz. Each uses 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.
- Many units in this series are available from stock for fast delivery.

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)

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