

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

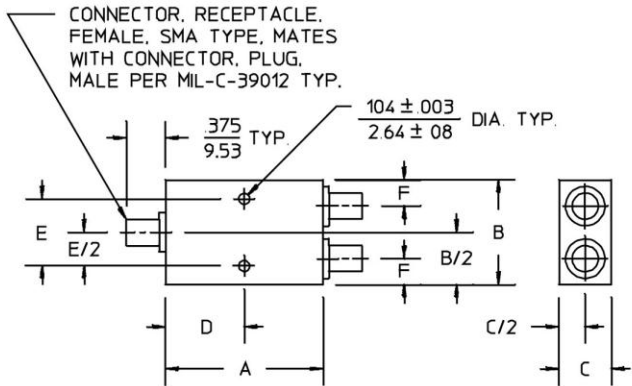
## TECHNICAL FEATURE

### FEATURES

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

<b>PRINCIPAL SPECIFICATIONS</b>												
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 <sub>out</sub>			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**



**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	$\frac{1000}{25.40}$	$\frac{1000}{25.40}$	$\frac{500}{12.70}$	$\frac{500}{12.70}$	$\frac{640}{16.26}$	$\frac{250}{6.35}$	.99 (28)
3	$\frac{2000}{50.80}$	$\frac{1500}{38.10}$	$\frac{500}{12.70}$	$\frac{1000}{25.40}$	$\frac{1310}{33.27}$	$\frac{250}{6.35}$	2.47 (70)
5	$\frac{1620}{41.15}$	$\frac{1000}{25.40}$	$\frac{380}{9.65}$	$\frac{750}{19.05}$	$\frac{850}{21.59}$	$\frac{250}{6.35}$	1.20 (34)

<b>GENERAL SPECIFICATIONS</b>	
Impedance:	50 Ω nom.
Operating Temperature:	– 55° to + 85°C

**General Notes:**

1. 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.
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 available from stock for fast delivery.

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