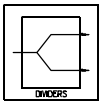
PDM-25R Series 0° POWER DIVIDERS / COMBINERS

0.3 to 26.5 GHz / 2-Way / Extremely Wide Instantaneous BW / Uniform Phase & Ampli. Bal. / SMA



PRINCIPAL SPECIFICATIONS

Model Number	Freq. Range, GHz	Isolation, dB, Min.	Insert. Loss, dB, Max.	Phase Bal., Max.	Amplitude Bal., dB, Max.	VSWR Max., @ Input	VSWR Max., @ Output	CW Input ,W, @VSWR$_{out}$ 1.2:1	CW Input ,W, @VSWR$_{out}$ ∞	Outline Drawing Ref.
PDM-25R-8.8G	0.3 - 18.0	17	3.0	10°	0.6	1.60:1	1.50:1	30	1	1
PDM-25R-9.2G	0.5 - 18.0	17	1.7	5°	0.3	1.40:1	1.40:1	30	1	7
PDM-25R-16G	6.0 - 26.5	17	1.7	10°	0.8	1.70:1	1.60:1	30	1	6

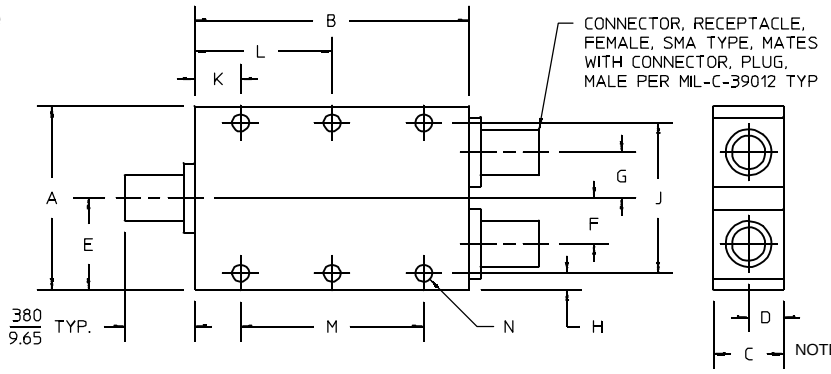
General Notes:

1. The PDM-25R series of 2-way In-Phase Power Dividers/Combiners covers 0.3 GHz to 26.5 GHz using a smooth distributed resistive design which provides high isolation and low VSWR across a broad frequency range. Many units are stocked.

GENERAL SPECIFICATIONS

Impedance:	50 Ω nom.
Operating Temperature:	– 55° to +85°C
Weights shown:	All are nominal

Package Outline



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

OUTLINE	A	B	C	D	E	F	G	H	J
1	2.250 ±.040 57.15 ±1.02	11.500 ±.050 292.10 ±1.27	.500 ±.030 12.70 ±.76	.250 6.35	1.125 28.58	.500 ±.030 12.70 ±.76	.500 ±.030 12.70 ±.76	.125 3.18	2.000 50.80
6	1.060 26.92	1.150 29.21	.384 9.75	.192 4.88	.530 13.46	.280 7.11	.280 7.11	.090 2.29	.880 22.35
7	1.030 26.16	7.750 196.85	.500 12.70	.250 6.35	.515 13.08	.260 6.60	.260 6.60	.150 3.81	.730 18.54

OUTLINE	K	L	M	N	WT. OZ. (G)
1	.750 19.05	—	10.000 (254). ON 2.000±.010 (50.80±0.25) CENTERS TOL. NON-ACCUMULATIVE	.125/.131 (3.18/3.33) DIA. THRU, 12 HOLES	20 (567)
6	—	.575 14.61	—	.103/.108 (2.62/2.74) DIA THRU, 2 HOLES	2.0 (57)
7	1.125 28.58	—	5.500 ±.020 (139.70 ±0.51)	.134/.154 (3.40/3.91) DIA THRU, 4 HOLES	9.0 (255)

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