PD/PDM-82-GA Series 0° POWER DIVIDERS/COMBINERS

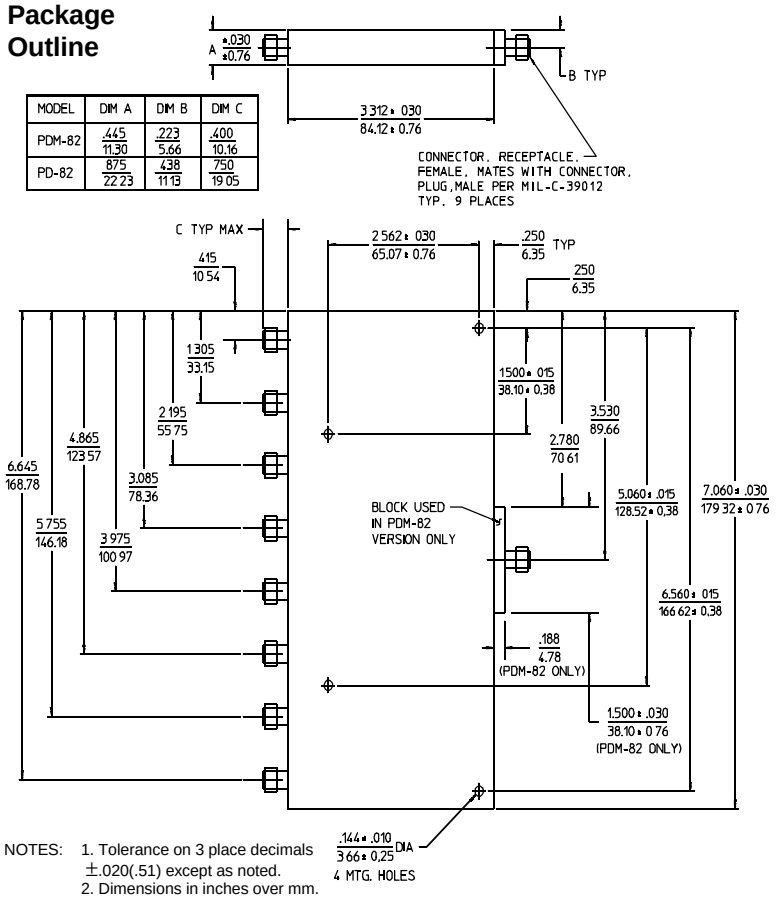
0.8 to 4.2 GHz / 8-Way / Uniform Phase & Ampli. Bal. / High Isolation & Low Loss/ SMA & N Conn.

PRINCIPAL SPECIFICATIONS

Model Number	Freq. Range, GHz	Isolation, dB, Min.	Insertion Loss, dB, Max.	Phase Bal., Max.	Amplitude. Balance, dB, Max.	VSWR Max. In	VSWR Max. Out	Power Input, W*	Conn-ector Style	Weight Nom. oz (g)
PDM-82-0.9GA	0.83 - 0.96	20	0.5	6°	0.2	1.30:1	1.20:1	20	SMA	14 (400)
PDM-82-1.5GA	0.96 - 2.0	20	0.75	8°	0.8	1.60:1	1.50:1	20	SMA	14 (400)
PD-82-0.9GA	0.83 - 0.96	20	0.5	6°	0.2	1.30:1	1.20:1	20	N-type	26 (740)
PD-82-1.5GA	0.96 - 2.0	20	0.75	8°	0.8	1.60:1	1.50:1	20	N-type	26 (740)
PD-82-3.95GA	3.7 - 4.2	20	1.0	8°	0.3	1.25:1	1.25:1	20	N-type	26 (740)

* CW power input when used as divider with 1.2:1 $VSWR_{out}$

Package Outline



MODEL	DIM A	DIM B	DIM C
PDM-82	.445 11.30	.223 5.66	.400 10.16
PD-82	.875 22.23	.438 11.13	.750 19.05

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

GENERAL SPECIFICATIONS

Impedance:	50 Ω nom.
Operating Temperature:	– 55° to +85°C
Optional Frequencies:	
2.6 to 5.2 GHz:	Call for data.
4 to 8 GHz:	Call for outline

General Notes:

1. The PDM-82 and PD-82 series of Eight way Power Dividers/ Combiners cover the band from 0.83 to 4.2 GHz. They use a multi-section stripline Wilkinson design providing high isolation and low VSWR.
2. Etched PTFE fiberglass stripline circuits are encased in an aluminum machined housing that minimizes moding and provides an effective RF shield.
3. These units are generally available from catalog stock for fast delivery.

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