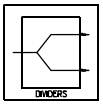
PDML-20A Series 0° POWER DIVIDERS / COMBINERS

2 to 2000 MHz / 2-Way / In-Line Hi-Rel Package / Wide Bandwidth / Low Insertion Loss / SMA



PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Freq. Perform., MHz	Isolation, dB, Min.	Isolation, dB, Typ.	Insertion Loss, dB, Max.	Insertion Loss, dB, Typ.	Phase Balance Max.	Phase Balance Typ.	Amplitude Bal., dB, Max.	Amplitude Bal., dB, Typ.	VSWR, (In/Output) Max.	VSWR, (In/Output) Typ.	Internal Dissip. mW, Max.
PDML-20A-100	2 - 200	2 - 10	25	30	0.5	0.25	2°	1°	0.15	0.1	1.3:1	1.15:1	50
		10 - 200	30	35	0.5	0.25	2°	1°	0.15	0.1	1.3:1	1.15.1	
PDML-20A-500	5 - 1000	100 - 1000	20	25	1.0	0.5	4°	1°	0.2	0.1	1.5:1	1.2:1	50
		5 - 1000	20	25	1.1	0.7	4°	1°	0.3	0.2	1.5:1	1.2:1	
PDML-20A-1000	10 - 2000	10 - 1500	18	20	1.3	1.0	6°	3°	0.4	0.3	1.6:1	1.4:1	50
		1500 - 2000	12	15	2.0	1.5	8°	4°	0.6	0.5	1.8:1	1.5:1	

General Notes:

1. The PDML-20 series of In-Line 2-way Power Dividers/Combiners covers 2 MHz to 2 GHz using high performance, multi-octave, lumped element circuits.
2. The housing is a convenient low 0.4 inch (10 mm) profile SMA package.

GENERAL SPECIFICATIONS

Nominal Coupling: – 3 dB

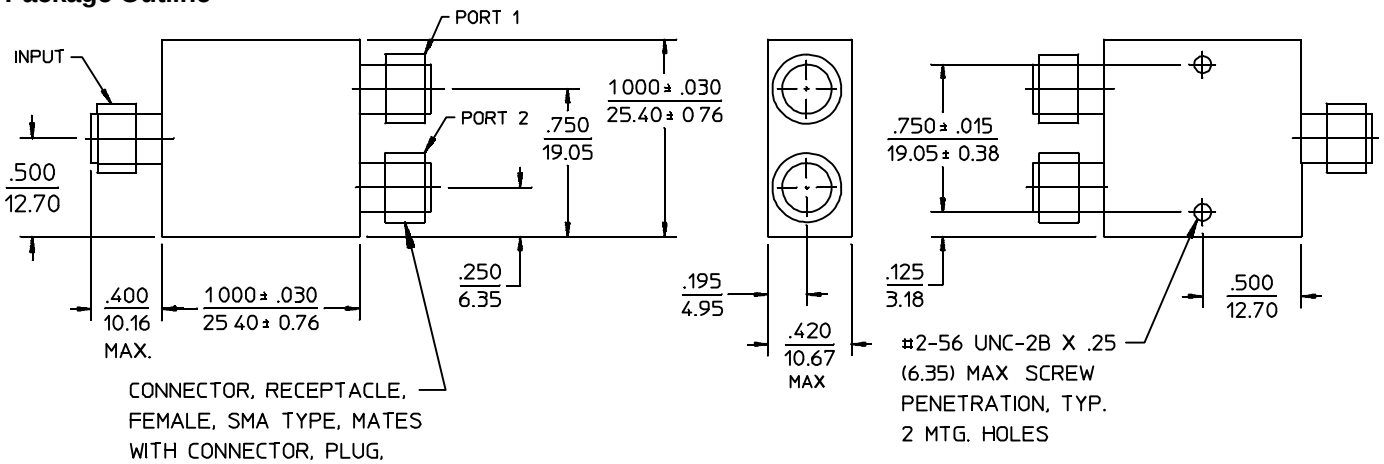
Impedance: 50 Ω nom.

CW Input Power: 1W max.

(When used as divider with 1.2:1 $VSWR_{out}$)

Operating Temperature: – 55° to +85°C

Package Outline



NOTES: 1. Tolerance on 3 place decimals ±.020(.51) except as noted.
2. Dimension in inches over millimeters.
3. Nominal Weight: 1.0 oz (28 g).

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