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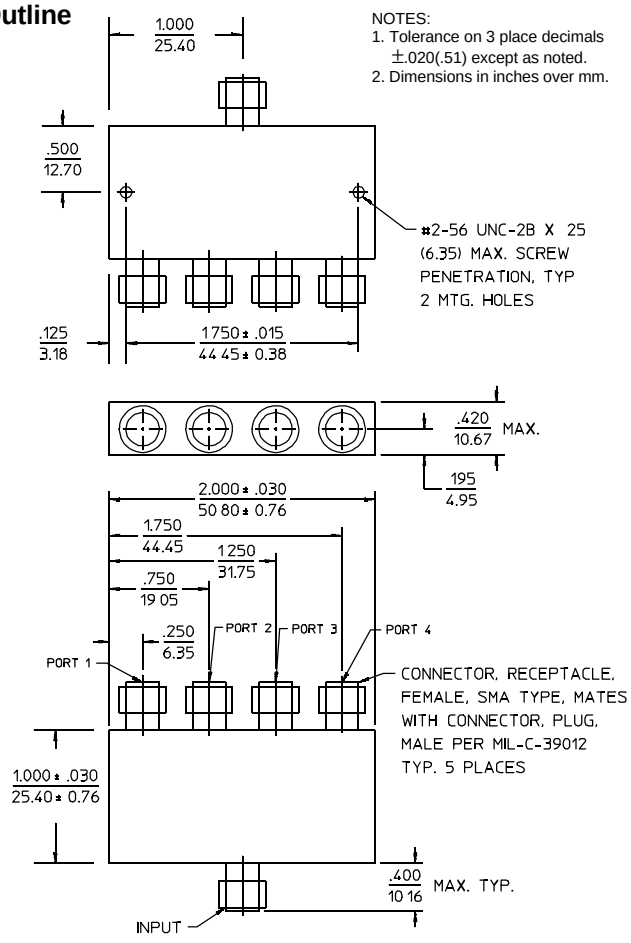
PDML-40 ASeries 0° POWER DIVIDERS / COMBINERS

10 to 2000 MHz / 4-Way / Wide Bandwidth / Low Insertion Loss / Low Profile Package / SMA

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, 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.	Weight, oz .(g) Nom.
PDML-40A-100	10 - 200	25	30	1.25	0.8	3°	2°	0.2	0.1	1.3:1	1.2:1	1.2 (34)
PDML-40A-500	20 - 1000	20	25	1.5	1.0	5°	3°	0.5	0.3	1.5:1	1.3:1	1.2 (34)
PDML-40A-1250	500 - 2000	20	25	2.0	1.5	5°	3°	0.5	0.3	1.5:1	1.3:1	1.2 (34)

Package Outline



GENERAL SPECIFICATIONS

Nominal Coupling: – 6 dB
Impedance: 50 Ω nom.
Average Input Power: 1 W max.
(When used as divider with 1.2:1 $VSWR_{out}$)
Internal Load Dissipation: 50 mW
Operating Temperature: – 55° to +85°C

General Notes:

1. The PDML-40 series of In-Line 4-way Power Dividers/Combiners covers 10 to 2,000 MHz using a high performance lumped element design to achieve multi-octave bandwidth.

3. The units are housed in a convenient low-profile, 0.4 inch (10 mm) SMA package. Similar units are available with N-type connectors in the PDNL series.

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

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