

PDML-40A SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

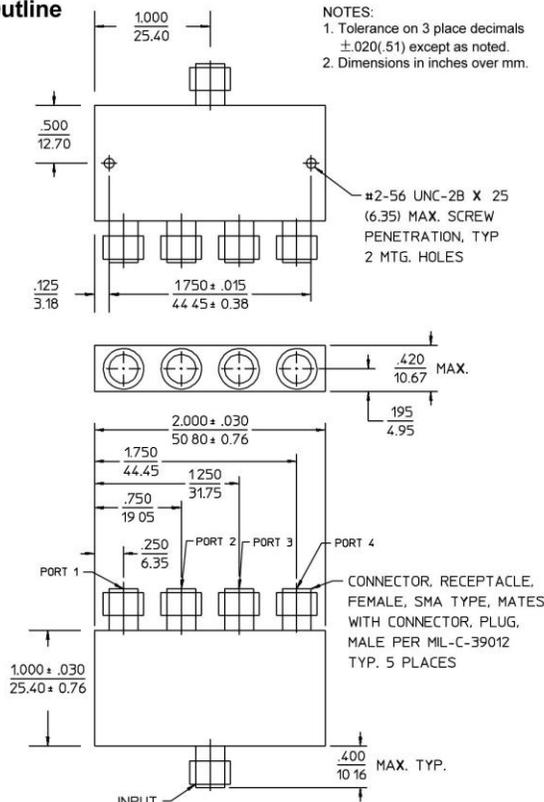
FEATURES

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

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Isolation, dB,		Insertion Loss, dB,		Phase Balance,		Amplitude Bal., dB,		VSWR, (In/Output)		Weight, oz (g) Nom.
		Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	
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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