

PD-40 SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 1 to 500 MHz
- 4-way
- Uniform Phase & Amplitude Balance
- 50 & 70 Ohm Units
- Low Insertion Loss
- BNC Connectors

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Frequency Performance, MHz	Isolation, dB,		Insertion Loss, dB,		Phase Balance		Amplitude Bal., dB,		VSWR (In/Output)		Input Power† W, Max.
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	
PD-40-100	1 - 200	1 - 100	30	35	1.0	0.5	3°	1°	0.2	0.1	1.3:1	1.2:1	2
		100 - 200	20	30	1.2	0.8	4°	2°	0.3	0.2	1.5:1	1.3:1	
PD-40-250	10 - 500	10 - 500	25	30	1.25	0.8	3°	2°	0.3	0.2	1.35:1	1.2:1	2 W

†CW power input when used as power divider with 1.2:1 VSWR_{out})

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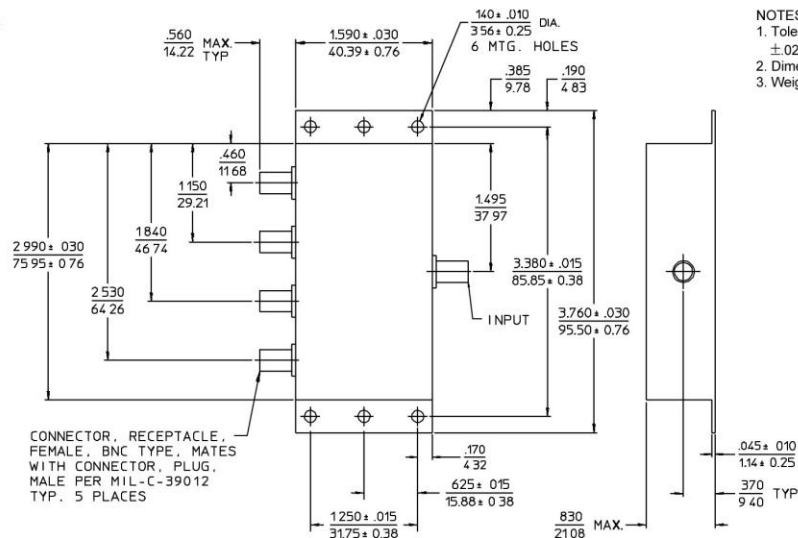
General Notes:

1. The PD-40 and PDB-40 series of 4-way power dividers/combiners use lumped element circuits for broadband performance and high output port isolation.

GENERAL SPECIFICATIONS

Coupling: – 6 dB nom.
 Impedance: 50 Ω nom.
 Internal Load Dissipation: 250 mW max.
 Operating Temperature: – 55° to +85°C

Package Outline



NOTES:

1. Tolerance on 3 place decimals ± .020(.51) except as noted.
2. Dimensions in inches over mm.
3. Weight, nominal: 2.5 oz. (100 g).

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