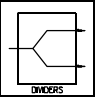


PDP-4R Series 0° POWER DIVIDERS / COMBINERS

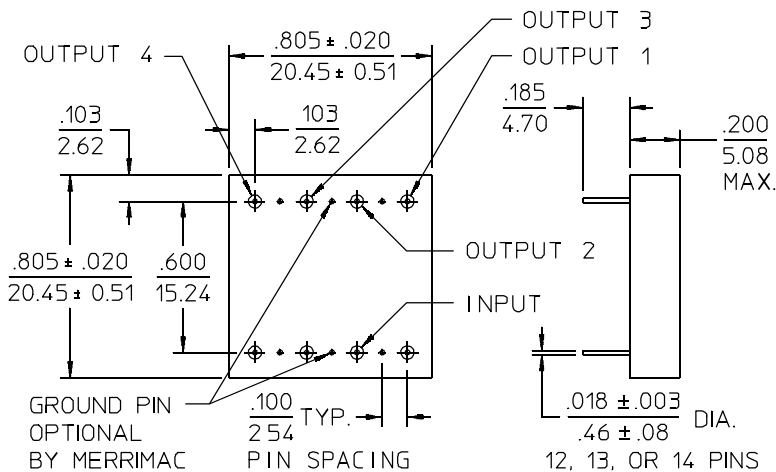
2 to 2000 MHz / 4-Way / Low Insertion Loss / Hermetic Meri-Pac / Auto-Insertion-Ready



PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Frequency Performance, MHz	Isolation, dB,		Insertion Loss, dB,		Phase Balance,		Amplitude Bal., dB,		VSWR (In/Output)	
			Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
PDP-4R-50	2 - 100	2 - 100	30	35	1.0	0.6	2°	1°	0.2	0.1	1.3:1	1.2:1
PDP-4R-1300	100 - 2000	200 - 1000	20	25	1.5	1.0	4°	3°	0.5	0.3	1.5:1	1.3:1
		100 - 2000	20	23	3.0	2.5	6°	4°	0.6	0.4	1.8:1	1.5:1

Meri-Pac™ R-Package Outline



- NOTES:
1. Tolerance on 3 place decimals ± 0.010 (.25) except as noted.
 2. Dimensions in inches over (millimeters).
 3. Lead dimensions apply only at body.
 4. All unmarked pins are case ground.

GENERAL SPECIFICATIONS

Nominal Coupling: - 6 dB
 Impedance: 50 Ω nom.
 CW Input Power*:
 Above 1 MHz: 1 W max.
 Below 1 MHz: 0.5 W max.
 Internal Load Dissipation: 50 mW max.
 Nominal Weight: 0.35 oz.(10 g)
 Operating Temperature: - 55° to +85°C

*When used as divider with 1.2:1 VSWR_{out}

General Notes:

1. The PDP-4R series of 4-way Power Dividers/Combiners covers 2 to 2,000 MHz using a special lumped element design to reduce size making these units ideal for applications where space-saving is essential.
2. Electrical performance is quite good even though units in this series are unusually compact. The 0.805 inch square Meri-Pac™ that houses these 4-way Power Divider/Combiners is ideally suited for airborne and space applications where the inherent package reliability and hermeticity are critical.

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