

# PDP-4R SERIES – 0° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

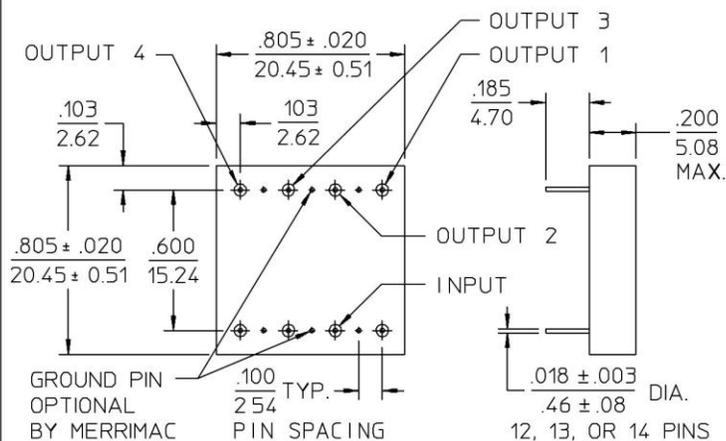
### FEATURES

- 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-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  $\pm 0.010(.25)$  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 $\Omega$ 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 VSWRout

### General Notes:

1. The PDP-4R series of 4-way Power Dividers/Combiners covers 100 - 2000 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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