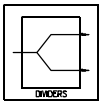
PDP-2N Series 0° POWER DIVIDERS / COMBINERS

50 kHz to 3000 MHz / 2-Way / Low Insertion Loss / Hermetic / Meri-Pac PC Mount for Auto-Insertion

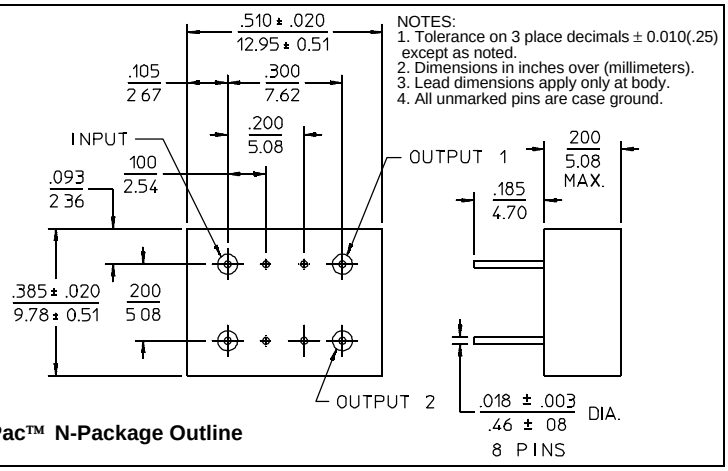


PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range MHz	Freq, Perform., 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.	Input Power* Max.
PDP-2N-50	.05 - 100	.05 - 100	30	35	0.7	0.4	2°	1°	0.15	0.1	1.3:1	1.15:1	1 W
PDP-2N-100	2 - 200	2 - 10	25	30	0.5	0.25	2°	1°	0.15	0.1	1.3:1	1.15:1	1 W
		10 - 200	30	35	0.5	0.25	2°	1°	0.15	0.1	1.3:1	1.15:1	
PDP-2N-250	10 - 500	10 - 500	25	30	0.7	0.4	2°	1°	0.2	0.1	1.3:1	1.2:1	1 W
PDP-2N-550	30 - 1000	30 - 1000	20	25	1.0	0.5	3°	1°	0.2	0.1	1.4:1	1.2:1	1 W
PDP-2N-1000	20 - 2000	20-1000	20	25	1.1	0.7	4°	2°	0.3	0.2	1.5:1	1.3:1	250 mW
		1000-1500	18	20	1.3	1.0	6°	3°	0.4	0.3	1.6:1	1.4:1	
		1500-2000	12	15	2.0	1.5	8°	4°	0.6	0.5	1.8:1	1.5:1	
†PDP-2N-****B	1500-3000	±10% f_o	15	20	1.0	0.5	5°	2°	0.5	0.2	1.7:1	1.3:1	1 W

†For complete Model Number replace **** with desired center frequency, f_o in MHz

*CW input power when used as divider with 1.2:1 $VSWR_{out}$



Meri-Pac™ N-Package Outline

GENERAL SPECIFICATIONS

Impedance:	50 Ω nom.
Internal Load Dissipation:	50 mW, max.
Weight, nominal:	0.13 oz. (3.2 g)
Operating Temperature:	– 55° to +85°C

AVAILABLE OPTIONS

Up to 16-Way division
Close tolerance amplitude & phase balance
Connectorized, TO-5 and flatpack versions

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General Notes:

1. The PDP-2N series covers 50 kHz to 2.0 GHz with the special “B” series narrowband units extending coverage to 3 GHz.
2. The Meri-Pac™ package housing these 2-way Power Dividers/Combiners is ideally suited to airborne and space applications where inherent package reliability and hermeticity are critical.
3. Below 2 GHz, the PDP-2N series uses lumped element circuits designed to reduce the size while preserving important electrical characteristics.

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