



**PRINCIPAL SPECIFICATIONS**

Model Number	Frequency Range MHz	Frequency Performance, MHz	Isolation, dB, Min. Typ.		Insertion Loss, dB, Max. Typ.		Phase Balance Max. Typ.		Amplitude Bal., dB, Max. Typ.		VSWR (In/Output) Max. Typ.		Weight oz.(g) Nom.
PDNL-20-100	2 - 200	2 - 10	25	30	0.5	0.25	2°	1°	0.15	0.1	1.3:1	1.15:1	4.0(110)
			30	35	0.5	0.25	2°	1°	0.15	0.1	1.3:1	1.15:1	
PDNL-20-500	20 - 1000	100 - 1000	20	25	1.0	0.5	4°	1°	0.2	0.1	1.5:1	1.2:1	4.0(110)
			20	25	1.1	0.7	4°	1°	0.3	0.2	1.5:1	1.2:1	
PDNL-20-1000	10 - 2000	10 - 1500	18	20	1.3	1.0	6°	3°	0.4	0.3	1.6:1	1.4:1	4.0(110)
			1500 - 2000	12	15	2.0	1.5	8°	4°	0.6	0.5	1.8:1	

**General Notes:**

1. The PDNL-20 series of In-Line 2-way N-Type Power Dividers/Combiners cover 2 MHz to 2 GHz using high performance lumped element designs. Higher accuracy over narrower bands are available upon special order.
2. All units comply with MIL-P-23971 and can be supplied screened for compliance with additional specifications for military and space applications requiring the highest reliability.

**GENERAL SPECIFICATIONS**

- Nominal Coupling: - 3 dB
- Impedance: 50 Ω nom.
- CW Input Power: 5 W max.  
(When used as divider with 1.2:1 VSWR<sub>out</sub>)
- Internal Load Dissipation: 250 mW max.
- Operating Temperature: - 55° to +85°C

**Package Outline**

