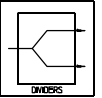


# PDNL-20 Series      0° POWER DIVIDERS / COMBINERS

2 to 2000 MHz / 2-Way / Medium Power / Low Insertion Loss / In-Line Hi-Rel Package / N-Type



## PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range MHz	Frequency Performance, MHz	Isolation, dB,		Insertion Loss, dB,		Phase Balance		Amplitude Bal., dB,		VSWR (In/Output)		Weight oz.(g) Nom.
			Min. Typ.	Max. Typ.	Max. Typ.	Max. Typ.	Max. Typ.	Max. Typ.	Max. Typ.	Max. Typ.			
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)
		10 - 200	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 - 1000	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	1.5:1	

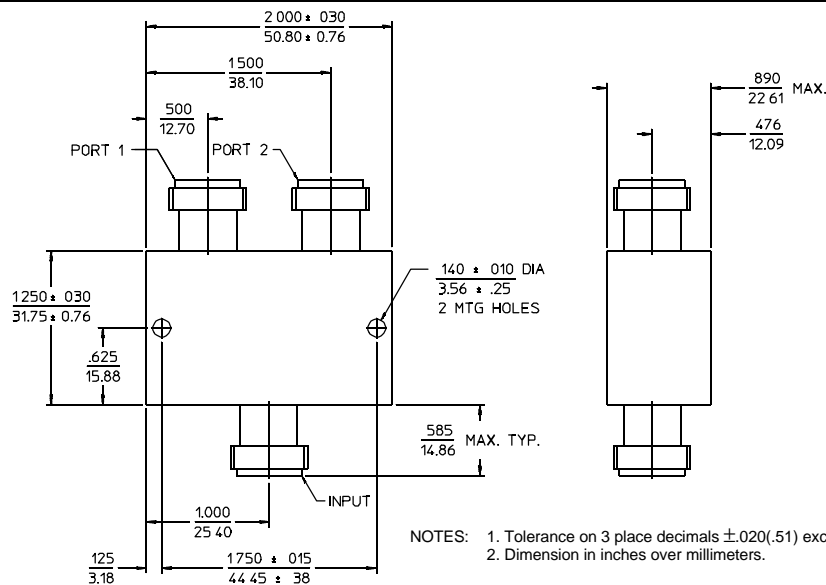
### General Notes:

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.

## 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



22Feb96