

# PDNL-40 SERIES – 0° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

### FEATURES

- 5 to 2000 MHz
- 4-way
- Medium Power
- Low Insertion Loss
- Wide Bandwidth
- N-Type Package

<b>PRINCIPAL SPECIFICATIONS</b>												
Model Number	Frequency Range, MHz	Isolation, dB		Insertion Loss, dB		Phase Balance, Max. Typ.		Amplitude Bal., dB		VSWR, (In/Output) Max. Typ.		Weight oz.(g) Nom.
		Min. Typ.	Max. Typ.	Max. Typ.	Typ.	Max. Typ.	Typ.	Max. Typ.	Typ.			
PDNL-40-500	100 - 1000	20	25	1.5	1.0	5°	3°	0.5	0.3	1.5:1	1.3:1	9.5 (269)

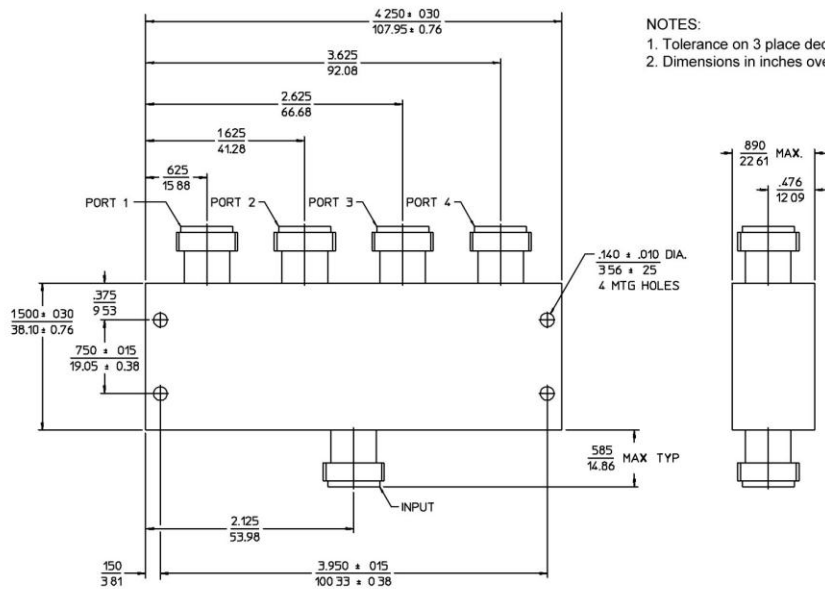
**General Notes:**

1. The PDNL-40 series of In-Line 4-way Power Dividers/ Combiners covers 100 - 1000 MHz. Each uses a high performance lumped element design to achieve multi-octave bandwidths. Standard units are generally available from stock but close tolerance versions are available.

**GENERAL SPECIFICATIONS**

Nominal Coupling: – 6 dB  
 Impedance: 50 Ω nom.  
 CW Input Power: 5W 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**



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