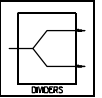


PDNL-40 Series 0° POWER DIVIDERS / COMBINERS

5 to 2000 MHz / 4-Way / Medium Power / Low Insertion Loss / Wide bandwidth / N-Type Package



PRINCIPAL SPECIFICATIONS

| Model Number | Frequency Range, 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. | |
| PDNL-40-100 | 5 - 200 | 25 | 30 | 1.25 | 0.8 | 3° | 2° | 0.2 | 0.1 | 1.3:1 | 1.2:1 | 9.5 (269) |
| 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) |
| PDNL-40-1500 | 1000 - 2000 | 20 | 25 | 2.0 | 1.5 | 5° | 3° | 0.5 | 0.3 | 1.5:1 | 1.3:1 | 9.5 (269) |

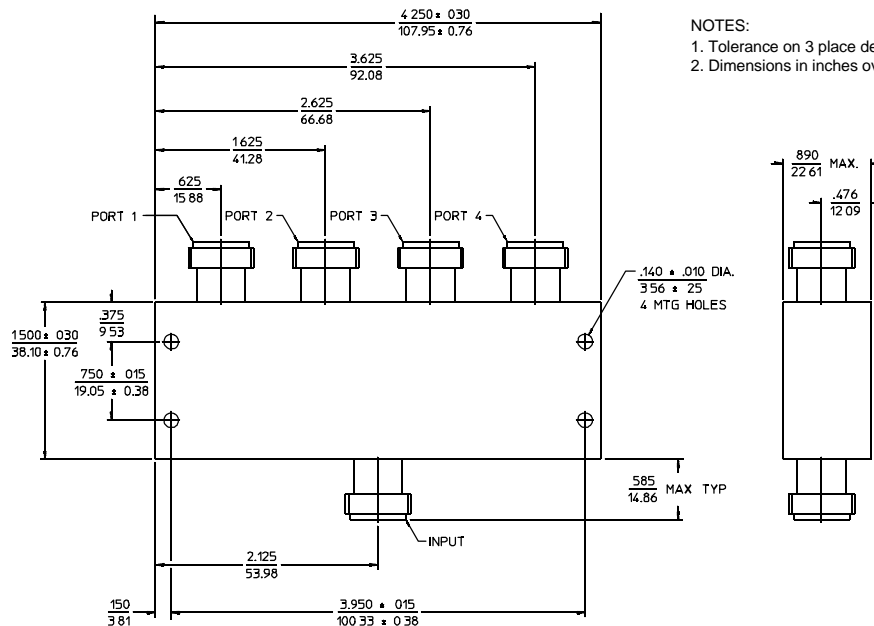
General Notes:

1. The PDNL-40 series of In-Line 4-way Power Dividers/ Combiners covers 5 to 2,000 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_{out})
 Internal Load Dissipation: 250 mW max.
 Operating Temperature: - 55° to +85°C

Package Outline



NOTES:

1. Tolerance on 3 place decimals ±.020(.51) except as noted.
2. Dimensions in inches over millimeters.

22Feb96