

PDNL-20 SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

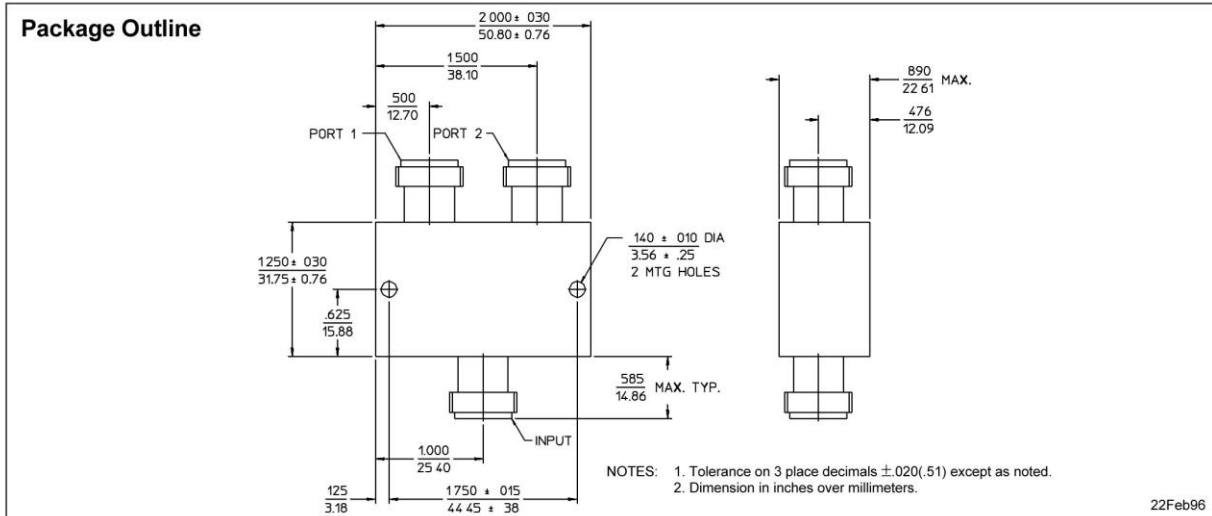
- 2 to 2000 MHz
- 2-way
- Medium Power
- Low Insertion Loss
- In-Line Hi-Rel Package
- N-Type Connector

| 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. | |
| 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.

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_{out})
 Internal Load Dissipation: 250 mW max.
 Operating Temperature: – 55° to +85°C



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