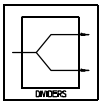
## PDHN-20 Series 0° POWER DIVIDERS / COMBINERS

***10 to 1000 MHz / 2-Way / High Power / Low Insertion Loss / Wideband Lumped Element Circuit / N***




### *PRINCIPAL SPECIFICATIONS*

| Model Number | Frequency Range, MHz | Isolation, dB, Min. | Isolation, dB, Typ. | Insertion Loss, dB, Max | Insertion Loss, dB, Typ. | Phase Balance, Max. | Phase Balance, Typ. | Amplitude Balance, dB, Max. | Amplitude Balance, dB, Typ. | VSWR (In/Output) Max. | VSWR (In/Output) Typ. | †Input Power, Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PDHN-20-250 | 10 - 500 | 25 | 30 | 0.6 | 0.3 | 2° | 1° | 0.2 | 0.1 | 1.3:1 | 1.2:1 | 20 W |
| PDHN-20-500 | 100 - 1000 | 25 | 30 | 1.2 | 0.8 | 3° | 2° | 0.3 | 0.2 | 1.5:1 | 1.3:1 | 20 W |

†CW input power when used as divider with 1.2:1 $VSWR_{out}$.

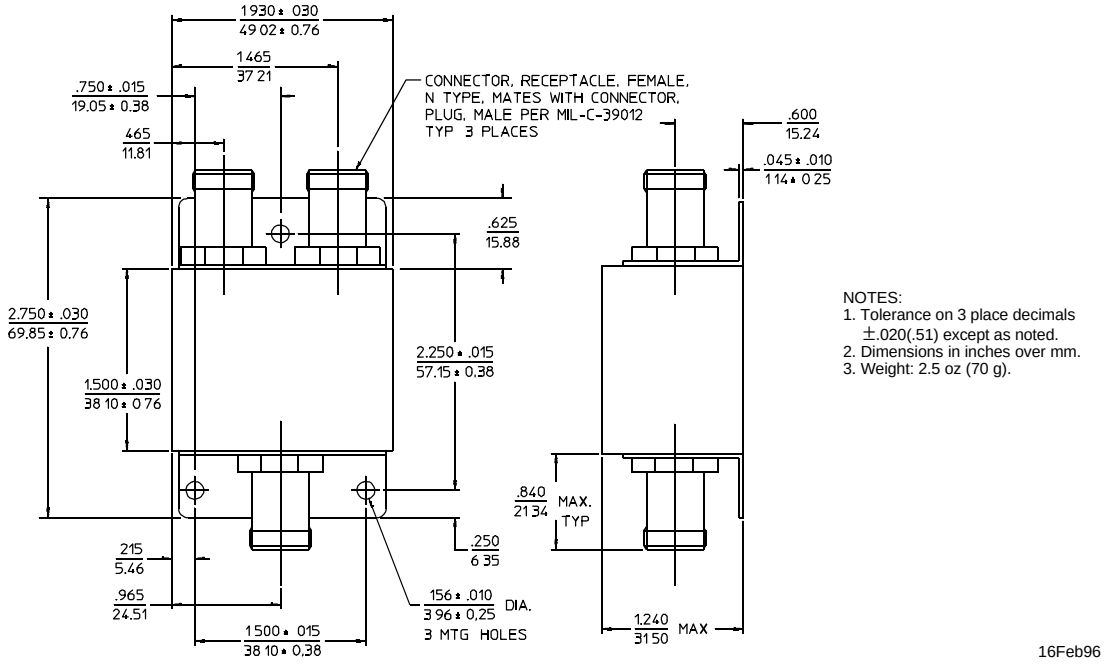
**General Notes:**

1. The PDHN-20 series of 2-way In-Phase Power Dividers/Combiners covers 10 to 1000 MHz using a high power, lumped element design maintaining high isolation and balance in a convenient size sturdy package. Four-way units designed for higher power are available on special order.

### *GENERAL SPECIFICATIONS*

| | |
|---|---|
| Coupling: | – 3 dB nom. |
| Impedance: | 50 Ω nom. |
| Internal Load Dissipation: | 10 W max. |
| Weight, nominal: | 6 oz. (168 g) |
| Operating Temperature: | – 55° to +85°C |

**Package Outline**

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