

PDM-20 SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 50 kHz to 2 GHz
- 2-way
- Uniform Phase & Amplitude Balance
- Low Insertion Loss
- Lumped Element
- SMA

| PRINCIPAL SPECIFICATIONS | | | | | | | | | | | | | |
|---------------------------------|------------------|---------------------|---------------|------|--------------------|------|------------------|------|-----------------------|------|-------------|-------|-------------------|
| Model Number | Freq. Range, MHz | Freq. Perform., MHz | Isolation, dB | | Insertion Loss, dB | | Phase Balance, ° | | Amplitude Balance, dB | | VSWR In/Out | | Input Power* Max. |
| | | | Min. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | |
| PDM-20-10 | 0.05 - 20 | 0.05 - 20 | 30 | 33 | 0.5 | 0.3 | 1° | 0.5° | 0.2 | 0.1 | 1.3:1 | 1.2:1 | 2 W |
| PDM-20-50 | 1 - 100 | 1 - 100 | 30 | 35 | 0.5 | 0.3 | 1° | 0.5° | 0.2 | 0.1 | 1.3:1 | 1.2:1 | 3 W |
| PDM-20-250 | 10 - 500 | 10 - 400 | 30 | 32 | 0.5 | 0.4 | 2° | 1° | 0.2 | 0.1 | 1.3:1 | 1.2:1 | 3 W |
| | | 10 - 500 | 30 | 32 | 0.6 | 0.5 | 2° | 1° | 0.2 | 0.1 | 1.3:1 | 1.2:1 | 3 W |
| PDM-20-500 | 5 - 1000 | 5 - 1000 | 25 | 30 | 1.0 | 0.7 | 2° | 1° | 0.2 | 0.1 | 1.3:1 | 1.2:1 | 1 W |
| PDM-20-1100 | 200 - 2000 | 500 - 1500 | 23 | 27 | 1.0 | 0.3 | 4° | 2° | 0.3 | 0.1 | 1.4:1 | 1.2:1 | 2 W |
| | | 200 - 2000 | 15 | 20 | 1.5 | 0.8 | 6° | 3° | 0.3 | 0.1 | 2.0:1 | 1.5:1 | 2 W |

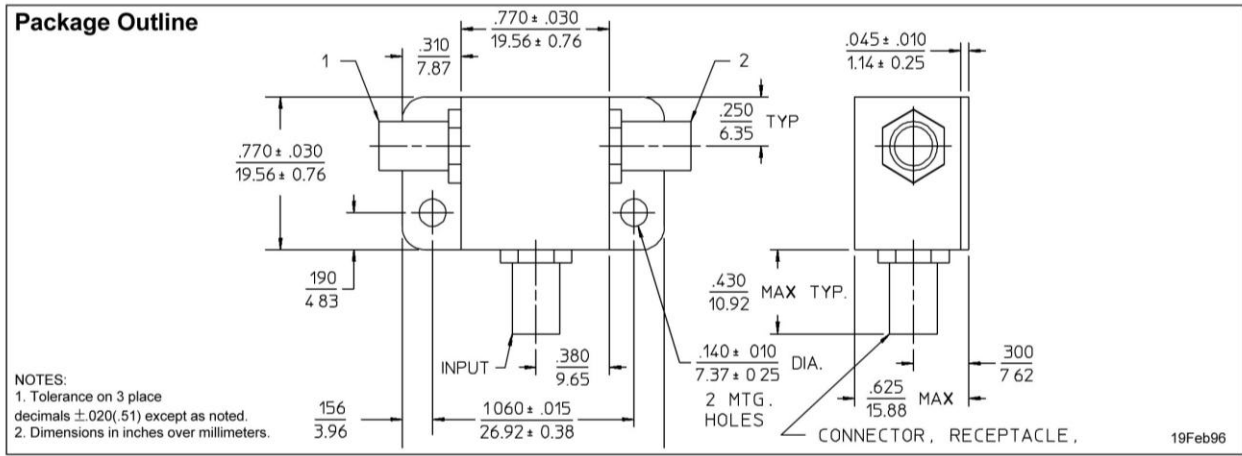
*CW input power when used as divider with 1.2:1 VSWR_{out}.

General Notes:

1. The PDM-20 series of connectorized two way In-Phase Power Dividers/Combiners covers 50 kHz to 2 GHz using lumped element design providing very broad bandwidths.

GENERAL SPECIFICATIONS

Impedance: 50 Ω nom.
 Internal Load Dissipation:
 PDM-20-1100: 125 mW max.
 All Others: 250 mW max.
 Weight, nominal: 1 oz. (28 g)
 Operating Temperature: - 55° to +85°C



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