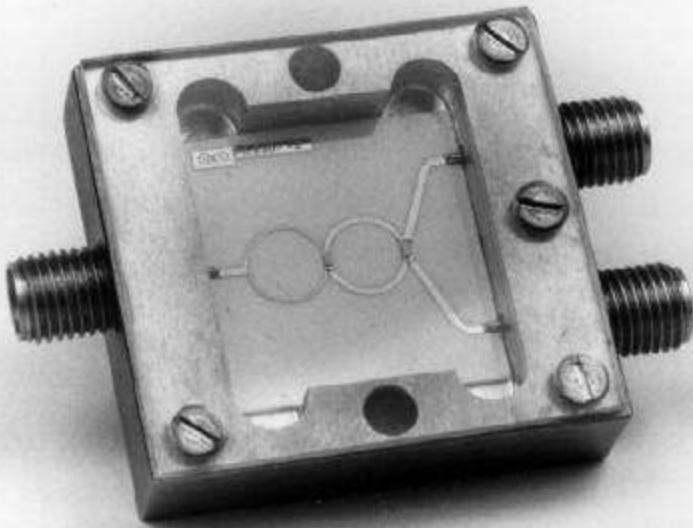


TWO - WAY OCTAVE-BAND ISOLATED POWER DIVIDERS / COMBINERS



TYPICAL SPECIFICATIONS

| PART # | FREQ RANGE GHz | LOSS (MAX.) dB | VSWR (MAX.) | ISOLATION |
|----------------------------------|----------------|----------------|-------------|--------------------------|
| PD8304-2M 1.4" X 2.5" X 0.4" | 0.80 - 2.0 | 0.4 | 1.30:1 | 25 dB TYP. 20 dB MIN. |
| PD8305-2M 1.4" X 2.5" X 0.4" | 1.0 - 2.5 | 0.4 | 1.30:1 | 25 dB TYP. 20 dB MIN. |
| PD8306-2M 1.4" X 2.0" X 0.4" | 1.5 - 3.75 | 0.4 | 1.35:1 | 23 dB TYP. 20 dB MIN. |
| PD8307-2M 1.4" X 1.5" X 0.4" | 2.0 - 5.2 | 0.5 | 1.40:1 | 23 dB TYP. 20 dB MIN. |
| PD8308-2M 1.4" X 1.5" X 0.4" | 3.0 - 7.0 | 0.5 | 1.40:1 | 22 dB TYP. 18 dB MIN. |
| PD8309-2M 1.1" X 1.1" X 0.4" | 4.8 - 10.0 | 0.6 | 1.50:1 | 22 dB TYP. 18 dB MIN. |
| PD10200-2M 1.1" X 1.1" X 0.4" | 10.0 - 20.0 | 0.75 | 1.60:1 | 20 dB TYP. 17 dB MIN. |

DESCRIPTION

These power dividers provide broadband performance and excellent stability. Phase and amplitude balance is $\pm 3^\circ$, $\pm .3$ dB. Power handling is 2 Watts average, 1 kW peak for load VSWRs up to 1.5:1. Standard units use SMA (F) connectors. Narrower band units can be provided with improved performance. Operating temperature is from -55° to $+ 85^\circ$ C. Higher power units available by request.

APPLICATIONS

- Beam forming networks for antenna arrays
- Local oscillator distribution networks
- Combining circuits for multiple signal sources



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