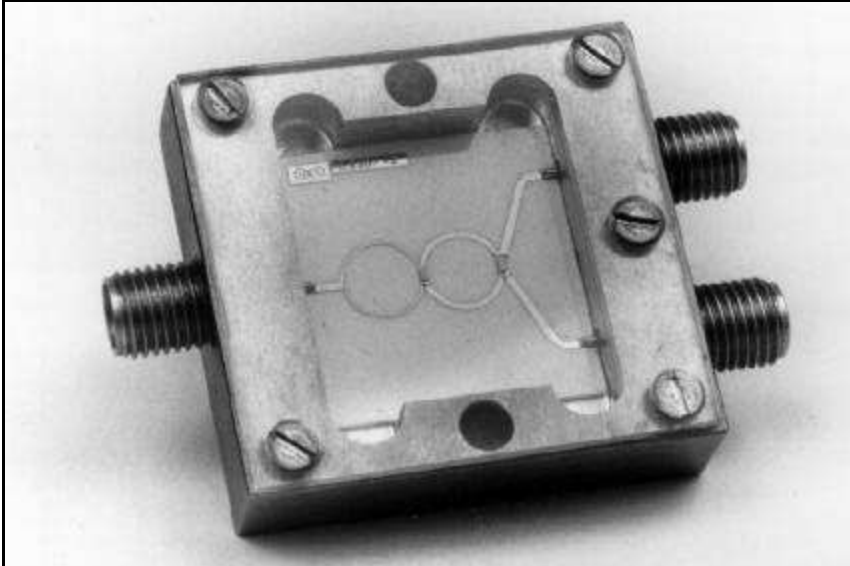


TWO - WAY OCTAVE-BAND ISOLATED POWER DIVIDERS / COMBINERS



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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