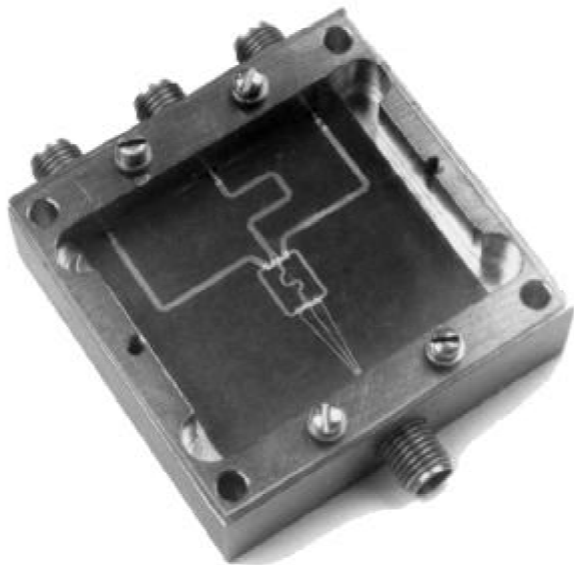


# THREE - WAY OCTAVE-BAND ISOLATED POWER DIVIDERS / COMBINERS



## TYPICAL SPECIFICATIONS

PART #	FREQ RANGE GHz	LOSS (MAX.) dB	VSWR (MAX.)	ISOLATION
PD8310-3M 2.0" X 2.5" X 0.57"	1.0 - 2.0	0.6	1.5:1	20 dB
PD8311-3M 2.0" X 2.5" X 0.57"	1.5 - 3.0	0.7	1.5:1	20 dB
PD8312-3M 2.0" X 1.5" X 0.57"	2.0 - 4.0	0.8	1.6:1	20 dB
PD8314-3M 2.0" X 1.5" X 0.57"	4.0 - 8.0	0.8	1.6:1	20 dB

## 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  $-55^\circ$  to  $+85^\circ$  C. Higher power units available on request.

## APPLICATIONS

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



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