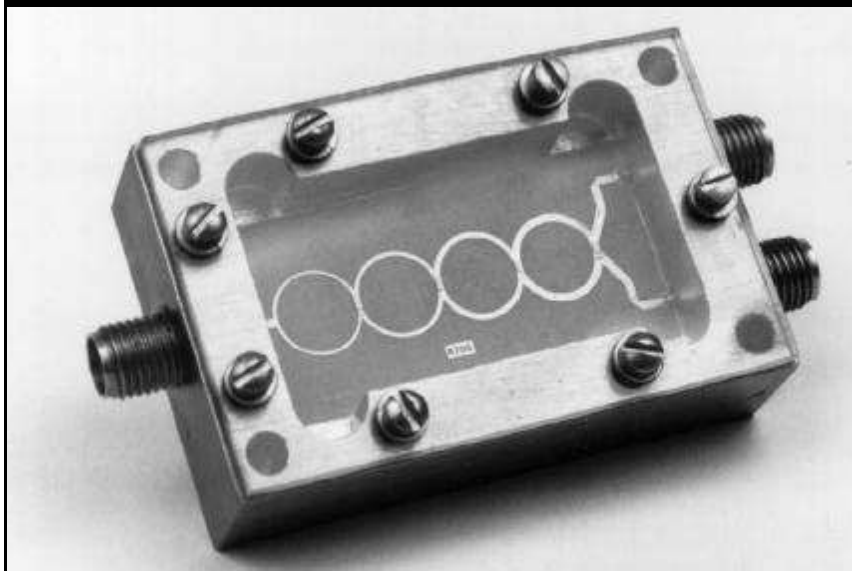


Two - Way Multi-Octave Isolated Power Dividers / Combiners



TYPICAL SPECIFICATIONS

PART #	FREQ RANGE GHz	LOSS (MAX.) dB	VSWR (MAX.)	ISOLATION
PD04020-2M 1.3" X 2.15" X 0.4"	0.40 - 2.0	0.4	1.40:1	25 dB TYP. 20 dB MIN.
PD07540-2M 1.1" X 2.3" X 0.4"	.75 - 3.75	0.4	1.40:1	20 dB MIN. 20 dB TYP.
PD20900-2M 1.2" X 1.9" X 0.4"	2.0 - 9.0	0.4 2.0-6.0GHz 0.6 6.0-9.0GHz	1.50:1	25 dB MIN. 20 dB TYP.
PD45180-2M 1.15" X 1.275" X 0.4"	4.5 - 18.0	0.5 4.5-10.0GHz 0.7 10.0-18.0GHz	1.50:1	25 dB MIN. 20 dB TYP.

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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