

# C Series Stripline Power Dividers

## Connectorized, 0.8 – 18 GHz

### Features

- Multi Octave Performance
- SMA and Type N Connectors
- 2-W, 3-W, 4-W, 6-W, 8-W
- Amplitude, Phase Balanced
- Low VSWR
- High Directivity

**MIDISCO** has recently introduced the C series of stripline power dividers covering the frequency range of 0.8 to 18 GHz in a total of 4 different bands as shown below. These models operate reliably over the temperature range of -55° C to +85° C and all except the 2-18 GHz unit are available with either SMA or Type N female connectors. They are a cost-effective solution for the growing commercial market that includes Wireless LAN, Sat Com, MMDS, Cellular, PCS and Bluetooth.

Frequency (GHz)	Model Number	# of Outputs	Isolation (Minimum)	Loss (Maximum)	Amplitude Balance	Phase Balance	VSWR (In/Out)	Pkg Size
0.8-2.5	MDC2259C*	2	22 dB	0.2 dB	0.2 dB	4°	1.25/1.25	P1
0.8-2.5	MDC2359C*	3	22 dB	0.6 dB	0.4 dB	6°	1.3/1.3	P2
0.8-2.5	MDC2459C*	4	22 dB	0.7 dB	0.3 dB	6°	1.3/1.3	P3
1-4	MDC2225AC*	2	20 dB	0.6 dB	0.3 dB	3°	1.3/1.3	P4
1-4	MDC2325AC*	3	18 dB	1.1 dB	0.5 dB	7°	1.4/1.4	P5
1-4	MDC2425AC*	4	20 dB	1.4 dB	0.4 dB	4°	1.35/1.4	P6
2-8	MDC2266C*	2	18 dB	0.6 dB	0.3 dB	3°	1.3/1.3	P7
2-8	MDC2366C*	3	18 dB	1.1 dB	0.9 dB	7°	1.4/1.4	P8
2-8	MDC2466C*	4	18 dB	1.2 dB	0.5 dB	5°	1.45/1.45	P9
2-18	MDC2269C	2	18 dB	Note 6	0.5 dB	5°	1.5/1.5	P10

### Notes

1. For units with an \*, add suffix N to model number for Type N connectors. No suffix required for SMA.
2. Insertion Loss is the maximum above the theoretical split for each model.
3. Average forward power is 10 watts maximum for all models except the MDC2269C, which is 20 watts. Peak Power is 1000 watts @ 1 microsecond pulse width @ 0.005% Duty Cycle.
4. All housings are aluminum with a black epoxy paint overcoat
5. Detailed datasheets available upon request
6. 2-14 GHz: 1.5 dB; 14-16 GHz: 1.8 dB; 2.0 dB: 16-18 GHz

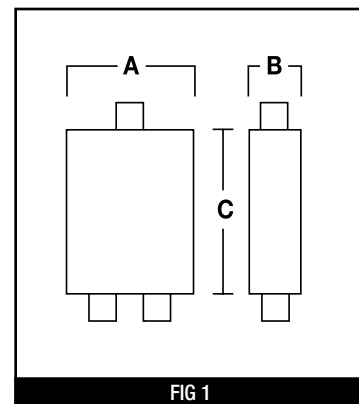


FIG 1

Pkg. Style	Figure	A	B	C
P1 (SMA)	1	2.95"	1.81"	0.79"
P2 (SMA)	2	3.86"	3.03"	0.79"
P3 (SMA)	3	3.86"	3.03"	0.79"
P4 (SMA)	1	1.30"	1.10"	0.39"
P5 (SMA)	2	1.77"	3.35"	0.39"
P6 (SMA)	3	2.40"	2.01"	0.39"
P7 (SMA)	1	1.18"	1.34"	0.39"
P8 (SMA)	2	1.81"	2.91"	0.39"
P9 (SMA)	3	2.52"	2.28"	0.39"
P10 (SMA)	1	1.05"	0.95"	0.39"

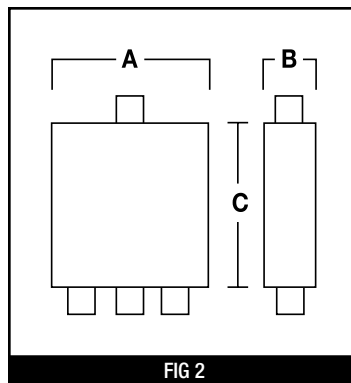


FIG 2

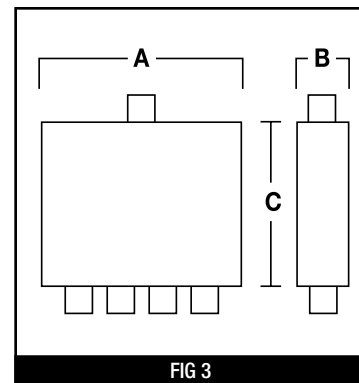


FIG 3

- 6, 8, 16 way versions available
- Type N package size and electrical specifications may vary
- Mounting hole locations & size vary
- 3, 4 way versions available in the 2-18 GHz SMA Freq. Band

# MIDISCO

www.midisco.net • email: sales@midisco.net  
 1-866-MIDISCO • In New York: 631-589-8035 • Fax: 631-589-8167