

Directional Couplers

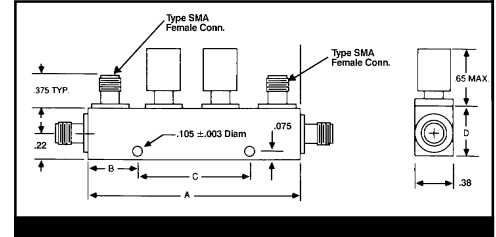
Dual Miniature

Features

- Etched teflon fiberglass stripline
- Miniature size
- High directivity
- MIL-SPEC construction
- Low VSWR
- RF shielded
- Resistance soldered SMA connectors
- Connectors per MIL-C-39012
- Delivery from Stock

MIDISCO Series MDC 3200

are stripline constructed dual directional couplers that have a variety of applications. These miniature devices, available in 10, 20, and 30 dB, have good directivity, tight coupling, and frequency sensitivity. When used in a reflectometer application, the reflected and incident power can be simultaneously monitored. When either incident or reflected power is monitored from two isolated ports, it is used as a dual in-line coupler. Special coupling values may be ordered. All standard values are available from stock.



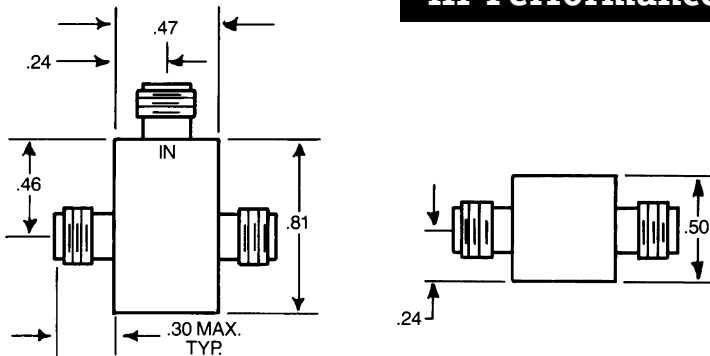
Model Number	Freq. Range (GHz)	Coupling† (dB)	Frequency Sensitivity (dB)	Insertion Loss (dB) max - True	Directivity (dB) min	VSWR (max)		A	B	C	D
						Pri. Line	Sec. Line				
MDC3223-21	0.5-1	10±1.25	±0.80	1.50	22	1.15	1.10	6.30	0.80	4.70	0.50
MDC3223-22		20±1.25		0.50				6.30	0.80	4.70	0.50
MDC3223-23		30±1.25		0.40				6.30	0.80	4.70	0.55
MDC3224-21	1-2	10±1.25	±0.80	1.50	22	1.15	1.10	3.66	0.42	2.82	0.50
MDC3224-22		20±1.25		0.50				3.66	0.42	2.82	0.50
MDC3224-23		30±1.25		0.40				3.66	0.42	2.82	0.55
MDC3225-21	2-4	10±1.25	±0.80	1.50	20	1.20	1.15	2.42	0.41	1.60	0.50
MDC3225-22		20±1.25		0.50				2.42	0.41	1.60	0.50
MDC3225-23		30±1.25		0.40				2.42	0.41	1.60	0.55
MDC3266-21	2.6-5.2	10±1.25	±0.80	1.50	18	1.30	1.25	2.10	0.50	1.10	0.50
MDC3266-22		20±1.25		0.50				2.10	0.50	1.10	0.50
MDC3266-23		30±1.25		0.40				2.10	0.50	1.10	0.55
MDC3226-21	4-8	10±1.25	±0.80	1.70	18	1.35	1.25	2.10	0.50	1.10	0.50
MDC3226-22		20±1.25		0.50				2.10	0.50	1.10	0.50
MDC3226-23		30±1.25		0.40				2.10	0.50	1.10	0.55
MDC3227-21	7-12.4	10±1.25	±0.60	1.90	16	1.35	1.30	2.10	0.50	1.10	0.50
MDC3227-22		20±1.25		0.70				2.10	0.50	1.10	0.50
MDC3227-23		30±1.25		0.60				2.10	0.50	1.10	0.55
MDC3228-21	8-16	10±1.25	±0.80	2.20	15	1.40	1.40	2.10	0.50	1.10	0.50
MDC3228-22		20±1.25		1.00				2.10	0.50	1.10	0.60
MDC3228-23		30±1.25		1.00				2.10	0.50	1.10	0.60
MDC3288-21	12.4-18	10±1.25	±0.60	2.20	15	1.40	1.40	2.10	0.50	1.10	0.50
MDC3288-22		20±1.25		1.00				2.10	0.50	1.10	0.60
MDC3288-23		30±1.25		1.00				2.10	0.50	1.10	0.60

† Includes Frequency Sensitivity

Dimension are in inches.

Power Dividers-Resistive

Hi-Performance — "T" Configuration (DC-18GHz)



Model Number	Connectors	VSWR (max)		Insertion Loss (dB)		Amplitude Balance			Input Power
		DC-10	10-18	DC-10GHz	DC-18GHz	DC-4	4-10	10-18	
MDC2R06	SMA Female (3)	1.25	1.35	6 +1.20 / -0.20	6 +1.50 / -0	0.20	0.40	0.50	1 watt max