

Directional Couplers

0.5 to 18 GHz (Standard Bandwidths)

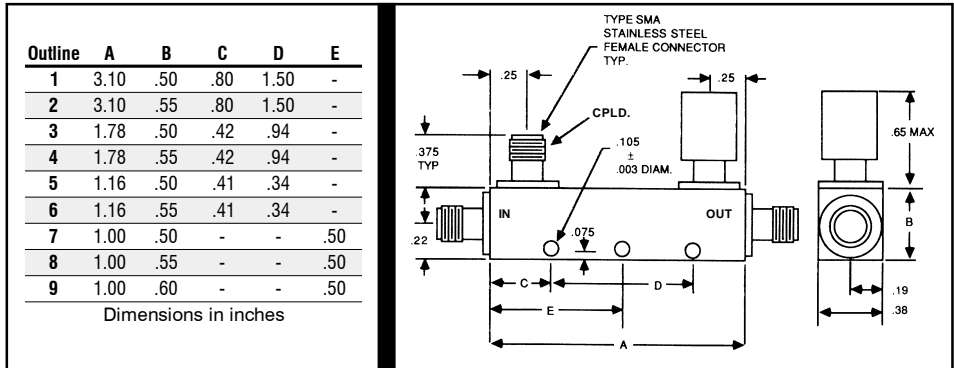
Features

- Ultra-miniature
- Stripline construction
- Full frequency bandwidth
- High directivity
- Low VSWR
- RF Shielded
- 105°C operating temperature
- Meets MIL environments
- Type N connector models available
- Available from stock

NOTE: The coupler port designations shown on this page are typical of all SMA catalog couplers, where the coupled port is adjacent to the input. On the Dual High Power Couplers shown on page 63, the SMA connectors are the coupled ports for the adjacent Type N primary line connectors.

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directional couplers of the MDC 6200 Series either meet or exceed the performance shown over the full frequency bandwidth. Each ultra-miniature unit is high quality stripline construction and has an operating temperature range of -55°C to +105°C. For broader bandwidths and multi-octave couplers, see MIDISCO Series 2000 and 4200. Type N connector models are available. All units are available from stock.



Model No.	Frequency Range (Ghz)	Coupling † (dB)	Freq. Sens. (dB)	Insertion Loss (dB)		Directivity (dB min.)	VSWR max.		Power			Outline Dwg. No.
				Excl. Cpld Pwr	True		Primary Line	Secondary Line	Avg. Incident (W)	Avg. Refld. (W)	Peak (kW)	
MDC6223-6	0.5-1.0	6 ±1.00	±0.60	0.20	1.80	25	1.15	1.15	50	2	3	1
MDC6223-10	0.5-1.0	10 ±1.25	±0.75	0.20	0.80	25	1.10	1.10	50	5	3	1
MDC6223-20	0.5-1.0	20 ±1.25	±0.75	0.15	0.20	25	1.10	1.10	50	50	3	1
MDC6223-30	0.5-1.0	30 ±1.25	±0.75	0.15	0.20	25	1.10	1.10	50	50	3	2
MDC6224-6	1.0-2.0	6 ±1.00	±0.60	0.20	1.80	25	1.15	1.15	50	2	3	3
MDC6224-10	1.0-2.0	10 ±1.25	±0.75	0.20	0.80	25	1.10	1.10	50	5	3	3
MDC6224-20	1.0-2.0	20 ±1.25	±0.75	0.15	0.20	25	1.10	1.10	50	50	3	3
MDC6224-30	1.0-2.0	30 ±1.25	±0.75	0.15	0.20	25	1.10	1.10	50	50	3	4
MDC6225-6	2.0-4.0	6 ±1.00	±0.60	0.20	1.80	22	1.15	1.15	50	2	3	5
MDC6225-10	2.0-4.0	10 ±1.25	±0.75	0.20	0.80	22	1.15	1.15	50	5	3	5
MDC6225-20	2.0-4.0	20 ±1.25	±0.75	0.15	0.20	22	1.15	1.15	50	50	3	5
MDC6225-30	2.0-4.0	30 ±1.25	±0.75	0.15	0.20	22	1.15	1.15	50	50	3	6
MDC6266-6	2.6-5.2	6 ±1.00	±0.60	0.20	1.80	20	1.25	1.25	50	2	3	7
MDC6266-10	2.6-5.2	10 ±1.25	±0.75	0.20	0.80	20	1.25	1.25	50	5	3	7
MDC6266-20	2.6-5.2	20 ±1.25	±0.75	0.20	0.25	20	1.25	1.25	50	50	3	7
MDC6266-30	2.6-5.2	30 ±1.25	±0.75	0.20	0.20	20	1.25	1.25	50	50	3	8
MDC6226-6	4.0-8.0	6 ±1.00	±0.60	0.25	1.90	20	1.25	1.25	50	2	3	7
MDC6226-10	4.0-8.0	10 ±1.25	±0.75	0.25	0.90	20	1.25	1.25	50	5	3	7
MDC6226-20	4.0-8.0	20 ±1.25	±0.75	0.25	0.30	20	1.25	1.25	50	50	3	7
MDC6226-30	4.0-8.0	30 ±1.25	±0.75	0.25	0.25	20	1.25	1.25	50	50	3	8
MDC6227-6	7.0-12.4	6 ±1.00	±0.50	0.30	2.00	17	1.30	1.30	50	2	3	7
MDC6227-10	7.0-12.4	10 ±1.00	±0.50	0.30	1.00	17	1.30	1.30	50	5	3	7
MDC6227-20	7.0-12.4	20 ±1.00	±0.50	0.30	0.35	17	1.30	1.30	50	50	3	7
MDC6227-30	7.0-12.4	30 ±1.00	±0.50	0.30	0.30	17	1.30	1.30	50	50	3	8
MDC6288-6	7.5-16.0	6 ±1.10	±0.60	0.60	2.00	12	1.35	1.40	50	2	2	7
MDC6288-10	7.5-16.0	10 ±1.25	±0.75	0.60	1.00	12	1.35	1.40	50	5	2	7
MDC6288-20	7.5-16.0	20 ±1.25	±0.75	0.50	0.50	15	1.35	1.40	50	50	2	9
MDC6288-30	7.5-16.0	30 ±1.25	±0.75	0.50	0.50	15	1.35	1.40	50	50	2	9
MDC6228-6	12.4-18.0	6 ±1.00	±0.50	0.60	2.20	15	1.30	1.40	50	2	1	7
MDC6228-10	12.4-18.0	10 ±1.00	±0.50	0.60	1.20	15	1.30	1.40	50	5	1	7
MDC6228-20	12.4-18.0	20 ±1.00	±0.50	0.50	0.55	15	1.30	1.40	50	50	1	9
MDC6228-30	12.4-18.0	30 ±1.00	±0.50	0.50	0.50	15	1.30	1.40	50	50	1	9

† Includes Frequency Sensitivity

Dimensions are in inches