

Directional Couplers

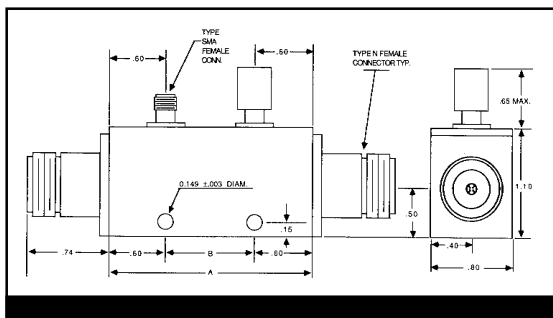
High Power/600 Watts CW 10kW pk

Features

- 600 watts CW, 10 kW peak
- Wide bandwidths
- Small size
- Flat with frequency
- RF shielded
- Custom coupling values (30-50dB)
- Fast delivery

MIDISCO

high power directional couplers, series MDC2300 and MDC3300 are available in any coupling value between 30dB and 50dB (substitute for "X" in part number). The frequency sensitivity is included in the coupling value. High power couplers find use in leveling circuits, VSWR protection, and transmitter carrier power monitors. Primary line connectors are normally Type N female, with SMA Female on the coupled port. Other connector types are available on special order. The couplers are flat with frequency and have good directivity.



† X to be selected by customer. Frequency sensitivity included in coupling. Primary line connectors Type N Female. Special order connectors available. Coupled port SMA Female. Dimensions are in inches.

Model Number	Freq. Range (GHz)	Coupling† (dB)	Frequency Sensitivity (dB)	Insertion Loss (dB) max	Directivity (dB) min	VSWR max Primary Line	A	B
MDC2344-X	0.5-2	X±1.0	±0.75	0.2	18	1.15	6.00	4.80
MDC2324-X	1-2	X±1.0	±0.75	0.2	18	1.15	3.50	2.30
MDC2325-X	2-4	X±1.0	±0.75	0.2	18	1.15	2.50	1.30
MDC3354-X	1-4	X±1.0	±0.70	0.2	15	1.15	3.85	2.65
MDC2366-X	2.6-5.2	X±1.0	±0.75	0.2	18	1.20	2.50	1.30
MDC2326-X	4-8	X±1.0	±0.75	0.2	18	1.30	2.00	0.80
MDC3355-X	1.5-4.5	X±1.0	±0.60	0.2	18	1.20	3.50	2.30
MDC3366-X	2-8	X±1.0	±0.60	0.2	16	1.30	3.00	1.80
MDC2327-X	7-11	X±1.0	±0.50	0.2	16	1.30	2.00	0.80
MDC2377-X	5-11	X±1.0	±0.50	0.2	15	1.30	2.00	0.80
MDC3377-X	4-12	X±1.0	±0.60	0.2	15	1.30	2.50	1.30
MDC2357-35	1-11	35±1.5	±1.50	0.2	15	1.30	3.85	2.65

Directional Couplers

Dual High Power

Features

- 600 watts CW, 10 kW peak
- Wide bandwidths
- Small size
- Flat with frequency
- RF shielded
- Custom coupling values (30dB to 50dB)
- Fast delivery

MIDISCO

dual directional couplers, series MDC2100 are available in any coupling value between 30dB and 50dB (substitute for "X" in part number). The frequency sensitivity is included in the coupling value. Dual high power directional couplers are built to give forward and reverse power monitoring capabilities in a package matching our MDC2300-MDC3300 series couplers. Forward and reverse coupling values can be independently selected. Primary line connectors are normally Type N female, with SMA female on the coupled port. Other connector types are available on special order. The couplers are flat with frequency and have good directivity. If both coupled ports are intended for monitoring forward power, change the suffix "B" to "C" when ordering. (i.e. MDC2125C-30)

Custom versions of this series are available with 3 or more coupled ports. Custom frequency requirements are easily met.

Model Number	Frequency Range (GHz)	Coupling† (dB)	Frequency Sensitivity (dB)	Insertion Loss (dB)	Directivity (dB)	VSWR max Pri. Line	Outline Dimensions A	Outline Dimensions B
MDC2144B-X	0.5-2	X±1.0	±0.75	0.4	18	1.20	6.00	4.80
MDC2124B-X	1.2	X±1.0	±0.75	0.4	18	1.20	3.50	2.30
MDC2125B-X	2-4	X±1.0	±0.75	0.4	18	1.20	2.50	1.30
MDC2154B-X	1-4	X±1.0	±0.60	0.4	15	1.20	3.85	2.65
MDC2163B-X	2.6-5.2	X±1.0	±0.75	0.4	18	1.25	2.50	1.30
MDC2126B-X	4-8	X±1.0	±0.75	0.4	18	1.35	2.00	0.80
MDC2155B-X	1.5-4.5	X±1.0	±0.60	0.4	18	1.25	3.50	2.30
MDC2166B-X	2-8	X±1.0	±0.60	0.4	16	1.35	3.00	1.80
MDC2127B-X	7-11	X±1.0	±0.50	0.5	16	1.35	2.00	0.80
MDC2177B-X	5-11	X±1.0	±0.50	0.5	15	1.35	2.00	0.80
MDC2178B-X	4-12	X±1.0	±0.60	0.5	15	1.35	2.50	1.30
MDC2157B-35	1-11	35±1.5	±1.50	0.5	15	1.35	3.85	2.65

† X to be selected by customer (30dB to 50 dB). Frequency sensitivity to be included in coupling.

