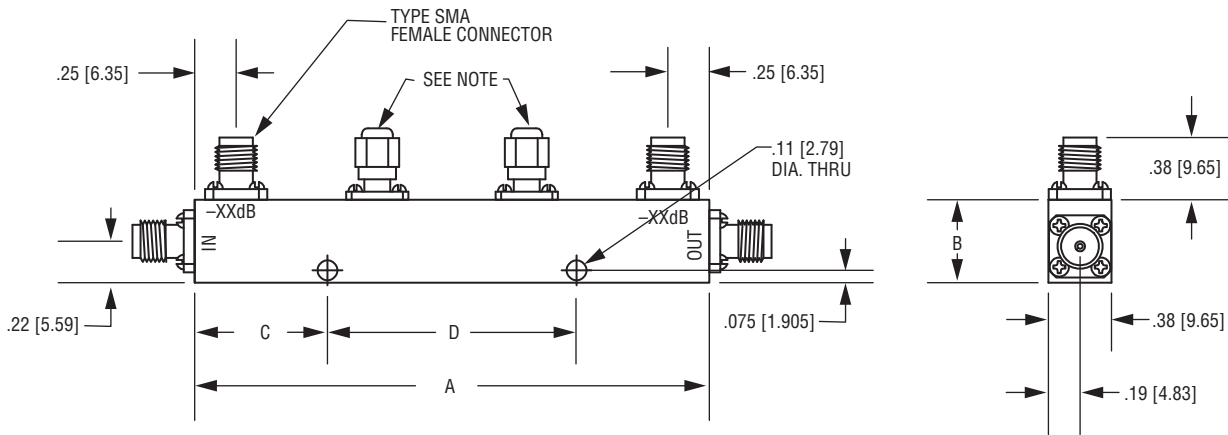


## MEDIUM POWER 50 WATT BIDIRECTIONAL COUPLERS

FREQ. (GHz)	MODEL NUMBER	COUPLING (dB)	FREQ. FLATNESS (±dB)	INSERTION LOSS (dB, Max.)	DIRECTIVITY (dB, Typ.)	VSWR (Max.)		POWER (Watts, Max.)		OUTLINE
						PRI. LINE	SEC. LINE	AVG. FOWARD	PEAK (kW)	
0.5 – 1	CD2-501-102-10S	10 ±1.25	0.75	1.5	22	1.15:1	1.1:1	10	3	1
	CD2-501-102-20S	20 ±1.25	0.75	0.5	25	1.15:1	1.1:1	50	3	1
	CD2-501-102-30S	30 ±1.25	0.75	0.4	25	1.15:1	1.1:1	50	3	1
1 – 2	CD2-102-202-10S	10 ±1.25	0.75	1.5	20	1.15:1	1.1:1	10	3	2
	CD2-102-202-20S	20 ±1.25	0.75	0.5	20	1.15:1	1.1:1	50	3	2
	CD2-102-202-30S	30 ±1.25	0.75	0.4	20	1.15:1	1.1:1	50	3	2
2 – 4	CD2-202-402-10S	10 ±1.25	0.75	1.5	20	1.2:1	1.15:1	10	3	3
	CD2-202-402-20S	20 ±1.25	0.75	0.5	20	1.2:1	1.15:1	50	3	3
	CD2-202-402-30S	30 ±1.25	0.75	0.4	20	1.2:1	1.15:1	50	3	3
2.6 – 5.2	CD2-262-522-10S	10 ±1.25	0.75	1.5	18	1.3:1	1.25:1	10	3	4
	CD2-262-522-20S	20 ±1.25	0.75	0.5	18	1.3:1	1.25:1	50	3	4
	CD2-262-522-30S	30 ±1.25	0.75	0.4	18	1.3:1	1.25:1	50	3	4
4 – 8	CD2-402-802-10S	10 ±1.25	0.75	1.7	18	1.35:1	1.25:1	10	3	4
	CD2-402-802-20S	20 ±1.25	0.75	0.5	18	1.35:1	1.25:1	50	3	4
	CD2-402-802-30S	30 ±1.25	0.75	0.4	18	1.35:1	1.25:1	50	3	4
7 – 12.4	CD2-702-1242-10S	10 ±1	0.6	1.9	16	1.35:1	1.3:1	10	3	4
	CD2-702-1242-20S	20 ±1	0.6	0.7	16	1.35:1	1.3:1	50	3	4
	CD2-702-1242-30S	30 ±1	0.6	0.6	16	1.35:1	1.3:1	50	3	4
7.5 – 16	CD2-752-163-10S	10 ±1.25	0.75	2.2	15	1.4:1	1.4:1	10	2	5
	CD2-752-163-20S	20 ±1.25	0.75	1	15	1.4:1	1.4:1	50	2	5
	CD2-752-163-30S	30 ±1.25	0.75	1	15	1.4:1	1.4:1	50	2	5
12.4 – 18	CD2-1242-183-10S	10 ±1.25	0.75	2.2	15	1.4:1	1.4:1	10	1	5
	CD2-1242-183-20S	20 ±1.25	0.6	1	15	1.4:1	1.4:1	50	1	5
	CD2-1242-183-30S	30 ±1.25	0.6	1	15	1.4:1	1.4:1	50	1	5

See outline drawings on page 35.

# MEDIUM POWER 50 WATT BIDIRECTIONAL COUPLER OUTLINE DRAWING



NOTE: External terminations only used on outlines 4 and 5. All other terminations are internal.

OUTLINE	DIMENSION			
	A	B	C	D
1	6.30 [160.02]	0.50 [12.70]	0.80 [20.32]	4.70 [119.38]
2	3.68 [93.47]	0.50 [12.70]	0.42 [10.67]	2.82 [71.63]
3	2.42 [61.47]	0.50 [12.70]	0.41 [10.41]	1.60 [40.64]
4	2.10 [53.34]	0.50 [12.70]	0.50 [12.70]	1.10 [27.94]
5	2.10 [53.34]	0.75 [19.05]	0.50 [12.70]	1.10 [27.94]

NOTE: DIMENSIONS SHOWN IN BRACKETS [ ] ARE IN MILLIMETERS.