

Directional Coupler

EDC21-24+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0 dBm @Temperature = +25°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
3000	0.30	26.28	24.68	22.42	22.37	31.53
3500	0.31	25.18	24.12	22.66	22.74	28.11
4000	0.32	24.30	23.62	23.47	23.52	24.68
4500	0.33	23.59	23.01	25.66	25.62	21.93
5000	0.34	23.01	22.47	30.87	31.01	19.80
5500	0.35	22.55	21.91	42.51	42.54	18.40
6000	0.38	22.19	21.70	26.44	26.26	17.66
6500	0.43	21.89	21.70	21.86	21.72	17.68
7000	0.46	21.65	21.86	20.07	19.82	18.53
7500	0.49	21.45	22.12	19.64	19.43	19.48
8000	0.51	21.31	22.20	19.59	19.45	19.17
8500	0.54	21.23	21.69	18.69	18.59	17.85
9000	0.60	21.21	20.61	16.68	16.43	16.57
9500	0.70	21.24	19.31	14.48	14.10	15.98
10000	0.80	21.30	17.82	12.76	12.34	15.83
10500	0.85	21.30	16.65	12.16	11.82	16.06
11000	0.82	21.24	15.83	12.89	12.65	16.92
11500	0.72	21.16	15.52	15.44	15.47	18.20
12000	0.65	21.13	15.88	20.09	20.67	18.65
12500	0.63	21.20	17.02	25.70	25.86	17.08
13000	0.65	21.33	18.40	27.99	25.00	14.81
13500	0.69	21.45	18.01	22.80	20.71	13.46
14000	0.74	21.54	15.87	18.61	17.91	13.09
14500	0.76	21.49	13.96	18.73	18.65	13.95
15000	0.74	21.37	13.19	27.10	27.14	15.85
15500	0.80	21.31	13.50	22.52	20.41	18.14
16000	0.94	21.28	14.52	15.05	14.44	20.29
16500	0.97	21.20	15.65	13.66	13.37	20.58
17000	0.90	21.12	16.43	15.89	15.57	21.72
17500	0.81	21.03	15.33	24.14	22.47	24.86
18000	0.81	20.89	13.36	28.56	24.37	39.71
18500	0.83	20.68	11.90	23.11	21.56	24.43
19000	0.84	20.41	11.16	28.96	23.34	17.64
19500	0.89	20.24	10.90	22.17	18.36	14.92
20000	1.01	20.17	11.27	15.77	14.20	14.33
21000	0.98	19.81	12.87	19.67	18.33	21.28
22000	1.08	19.36	11.04	16.26	15.03	15.66
23000	1.12	18.45	8.65	20.39	19.73	13.25
24000	1.29	17.96	8.80	14.83	14.47	27.31



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Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = -40°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
3000	0.17	26.20	25.48	20.63	20.52	30.78
3500	0.17	25.08	23.38	20.94	20.54	27.34
4000	0.16	24.17	23.64	22.89	22.68	24.03
4500	0.15	23.43	23.69	27.24	26.21	21.40
5000	0.15	22.84	24.49	31.23	30.18	20.08
5500	0.15	22.35	24.33	37.09	35.52	18.53
6000	0.16	21.95	23.50	32.04	31.64	17.02
6500	0.19	21.63	22.11	22.27	21.96	16.97
7000	0.23	21.38	21.19	18.84	18.72	18.19
7500	0.25	21.17	21.58	18.60	18.46	18.55
8000	0.24	20.98	22.32	20.09	20.15	18.95
8500	0.25	20.88	23.89	20.26	20.50	18.52
9000	0.31	20.86	22.27	17.19	17.33	15.32
9500	0.42	20.89	19.87	13.95	13.96	15.80
10000	0.57	20.94	17.83	11.54	11.36	14.51
10500	0.62	20.97	16.54	10.90	10.50	15.44
11000	0.56	20.92	15.61	11.50	11.06	17.15
11500	0.42	20.73	15.55	14.82	14.51	16.92
12000	0.29	20.62	16.72	22.39	22.72	20.91
12500	0.27	20.79	18.43	32.10	34.67	15.99
13000	0.31	20.95	19.04	22.59	21.66	13.57
13500	0.38	21.08	16.62	16.61	16.11	12.61
14000	0.40	21.08	14.94	16.89	15.99	12.38
14500	0.35	20.92	14.30	22.24	21.35	14.66
15000	0.35	20.85	14.54	29.56	25.41	13.97
15500	0.40	20.85	14.47	22.75	20.21	16.42
16000	0.48	20.78	14.35	17.58	16.41	21.82
16500	0.57	20.71	14.75	13.47	12.94	16.68
17000	0.56	20.67	16.69	12.53	12.04	18.32
17500	0.44	20.58	17.91	16.94	15.93	33.99
18000	0.40	20.45	14.99	22.04	18.49	22.48
18500	0.53	20.29	11.45	13.12	12.66	22.00
19000	0.50	20.20	9.84	14.80	13.72	10.57
19500	0.50	20.09	9.81	24.64	16.31	8.54
20000	0.72	19.80	10.77	12.19	10.71	21.71
21000	0.52	19.42	14.32	19.62	15.70	34.82
22000	0.77	18.96	10.01	10.79	10.74	16.04
23000	0.56	18.12	8.42	27.41	27.35	10.26
24000	0.65	17.85	10.28	22.58	24.45	20.59

Directional Coupler

EDC21-24+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0 dBm @Temperature = +85°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
3000	0.39	26.33	24.53	22.14	21.94	34.63
3500	0.40	25.25	23.25	23.36	22.86	29.07
4000	0.42	24.39	22.57	25.52	24.71	26.04
4500	0.44	23.70	22.17	30.26	28.32	21.87
5000	0.47	23.15	23.03	35.85	34.14	19.90
5500	0.50	22.69	22.34	46.97	45.36	18.27
6000	0.54	22.33	21.57	26.99	27.07	18.67
6500	0.60	22.08	20.38	20.18	20.09	18.26
7000	0.68	21.86	19.57	17.09	17.11	19.10
7500	0.72	21.70	20.41	17.15	17.05	21.59
8000	0.71	21.57	22.03	19.31	19.21	18.92
8500	0.73	21.47	22.76	20.36	20.23	17.64
9000	0.81	21.50	21.77	17.64	17.32	16.82
9500	0.97	21.53	18.77	13.47	13.18	15.97
10000	1.13	21.64	16.57	11.32	11.12	17.40
10500	1.15	21.63	15.61	11.59	11.40	16.76
11000	1.01	21.47	15.41	14.81	14.72	18.51
11500	0.91	21.43	16.55	21.10	21.16	19.60
12000	0.91	21.52	18.46	25.84	26.60	17.69
12500	0.94	21.67	17.90	23.36	24.32	15.51
13000	0.97	21.76	17.14	22.92	23.87	16.59
13500	0.99	21.85	16.16	22.90	22.36	13.90
14000	1.01	21.92	15.88	24.58	22.98	14.31
14500	1.04	21.99	15.02	24.78	23.58	14.38
15000	1.07	21.85	14.15	25.46	25.33	16.93
15500	1.13	21.81	13.46	31.02	23.41	19.24
16000	1.26	21.79	13.63	17.55	16.75	18.58
16500	1.35	21.74	14.50	13.77	14.33	23.78
17000	1.30	21.79	15.94	15.75	16.73	16.46
17500	1.21	21.62	15.52	24.75	29.32	16.75
18000	1.24	21.51	12.63	23.68	23.64	14.79
18500	1.25	20.99	10.87	23.74	21.99	19.62
19000	1.28	20.73	10.23	28.56	21.49	5.05
19500	1.39	20.50	10.64	17.13	15.76	10.01
20000	1.49	20.32	11.75	14.12	13.03	9.16
21000	1.41	20.21	12.56	26.69	22.95	14.48
22000	1.55	20.11	10.69	17.69	16.30	14.93
23000	1.63	19.17	8.68	21.22	21.99	20.62
24000	1.83	18.65	9.07	15.03	14.90	22.37



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