

Directional Coupler

EDC10-273+

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
1000	0.25	24.50	33.54	31.29	24.30	33.87
3000	0.61	15.80	19.55	14.03	18.73	13.82
6000	0.77	11.30	18.77	22.56	23.44	22.04
6500	0.81	10.94	20.42	25.32	27.54	24.57
7000	0.84	10.63	20.71	38.48	28.82	33.30
7500	0.89	10.38	19.18	31.27	24.24	31.46
8000	0.94	10.17	17.16	29.87	20.65	37.01
8500	1.03	10.03	15.51	24.67	18.49	25.62
9000	1.15	9.99	14.50	17.34	17.31	16.71
9500	1.33	10.07	13.91	13.19	16.68	12.45
10000	1.47	10.17	13.76	11.26	16.10	10.46
10500	1.50	10.19	14.10	10.94	15.37	10.11
11000	1.42	10.13	14.77	12.16	14.86	11.41
11500	1.28	9.98	15.97	15.41	15.10	15.01
12000	1.16	9.85	17.98	22.28	16.68	24.01
12500	1.14	9.81	20.01	28.84	20.26	31.98
13000	1.16	9.87	19.59	30.57	23.03	22.86
13500	1.22	10.06	16.86	19.28	18.26	16.57
14000	1.38	10.40	14.25	13.32	14.62	12.14
14500	1.47	10.63	12.59	11.74	12.37	10.91
15000	1.37	10.56	12.04	14.68	11.41	13.89
15500	1.30	10.40	12.42	22.21	11.71	19.55
16000	1.48	10.50	13.95	13.27	13.90	11.90
16500	1.66	10.72	16.69	10.45	18.02	9.23
17000	1.52	10.88	21.84	11.72	19.78	10.52
17500	1.25	10.95	22.48	19.25	17.52	17.24
18000	1.19	11.11	16.56	21.51	17.14	19.95
18500	1.28	11.14	13.04	15.91	19.26	14.68
19000	1.29	10.95	11.27	19.97	26.00	16.50
19500	1.36	10.90	10.67	21.57	28.21	15.77
20000	1.63	11.27	10.87	11.95	18.70	10.20
21000	1.59	11.92	14.31	10.31	10.44	9.57
22000	1.31	11.63	17.57	17.42	9.32	17.18
23000	1.58	10.62	10.42	12.76	18.59	11.34
24000	1.76	10.35	8.05	12.19	16.37	11.73
25000	1.85	10.54	9.33	10.10	11.54	9.75
26000	1.64	9.34	13.31	29.10	24.55	21.47
26500	1.78	9.08	12.21	18.07	17.59	19.32



Directional Coupler

EDC10-273+

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
1000	0.19	24.49	34.44	32.29	24.28	34.63
3000	0.50	15.74	19.49	13.86	18.85	13.72
6000	0.60	11.16	18.86	22.22	22.65	21.80
6500	0.62	10.79	20.95	25.25	26.36	24.41
7000	0.64	10.47	21.18	37.39	27.60	35.14
7500	0.68	10.20	19.35	32.13	23.88	35.57
8000	0.72	9.99	17.53	29.95	20.74	48.73
8500	0.80	9.84	16.13	24.20	18.62	25.38
9000	0.90	9.77	15.08	18.11	17.30	17.75
9500	1.06	9.81	14.22	13.64	16.53	12.98
10000	1.24	9.93	13.73	11.00	15.91	10.18
10500	1.31	9.99	13.88	10.17	15.12	9.34
11000	1.21	9.91	14.54	11.21	14.46	10.47
11500	1.03	9.73	15.84	14.36	14.55	13.95
12000	0.90	9.59	17.82	20.51	15.88	21.92
12500	0.85	9.53	19.92	26.40	19.31	32.42
13000	0.86	9.56	20.16	29.31	23.23	23.13
13500	0.90	9.73	17.58	19.98	18.45	17.03
14000	1.06	10.07	14.53	13.08	14.44	11.99
14500	1.20	10.36	12.44	10.79	12.03	10.11
15000	1.09	10.30	11.70	13.05	10.71	12.49
15500	0.96	10.09	12.03	21.30	11.06	20.21
16000	1.11	10.14	13.48	13.48	13.21	12.33
16500	1.26	10.33	16.19	10.49	17.66	9.40
17000	1.11	10.47	20.68	11.62	21.35	10.63
17500	0.87	10.54	22.96	17.65	18.70	16.70
18000	0.78	10.68	17.56	23.18	17.27	24.80
18500	0.85	10.75	13.40	15.94	18.14	15.47
19000	0.88	10.61	10.99	17.16	22.02	16.10
19500	0.93	10.46	10.07	22.57	27.37	17.60
20000	1.21	10.79	10.36	11.76	19.46	10.24
21000	1.18	11.49	14.24	9.85	10.52	8.91
22000	0.80	11.21	17.34	19.43	8.96	19.50
23000	1.07	10.31	10.81	11.84	15.13	11.16
24000	1.22	9.82	7.44	12.48	16.97	13.91
25000	1.42	10.25	8.80	8.93	10.41	8.59
26000	1.09	8.94	13.23	26.38	23.57	21.61
26500	1.21	8.67	11.40	18.01	17.80	21.36



Directional Coupler

EDC10-273+

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
1000	0.29	24.49	32.27	30.91	24.46	33.27
3000	0.67	15.81	19.77	14.36	18.91	14.15
6000	0.88	11.38	18.64	22.21	23.92	21.73
6500	0.92	11.02	20.23	24.89	28.60	24.12
7000	0.96	10.72	20.61	36.63	30.02	32.22
7500	1.01	10.48	19.24	31.95	24.79	32.01
8000	1.07	10.28	17.16	29.90	20.91	35.47
8500	1.17	10.14	15.36	24.86	18.51	25.74
9000	1.31	10.13	14.23	17.00	17.19	16.43
9500	1.51	10.23	13.65	12.81	16.54	12.17
10000	1.64	10.33	13.60	11.18	16.02	10.45
10500	1.63	10.32	14.12	11.27	15.42	10.48
11000	1.55	10.24	14.92	12.81	15.12	12.11
11500	1.42	10.12	16.14	16.19	15.58	15.86
12000	1.33	10.01	18.01	23.05	17.17	25.14
12500	1.32	9.99	19.87	29.51	20.55	31.10
13000	1.34	10.05	19.21	31.82	22.97	22.70
13500	1.42	10.26	16.46	18.94	18.22	16.37
14000	1.58	10.61	13.91	13.15	14.62	12.07
14500	1.66	10.82	12.37	11.96	12.44	11.22
15000	1.55	10.73	12.02	15.74	11.57	15.04
15500	1.51	10.60	12.66	20.98	12.17	19.26
16000	1.70	10.73	14.41	13.06	14.73	11.84
16500	1.84	10.93	17.36	10.98	19.01	9.76
17000	1.69	11.09	22.16	12.77	19.80	11.50
17500	1.46	11.19	21.38	20.92	17.63	18.75
18000	1.43	11.34	16.16	21.16	17.49	19.98
18500	1.52	11.36	12.89	16.36	19.88	15.17
19000	1.53	11.18	11.21	20.94	27.50	17.32
19500	1.64	11.17	10.71	20.18	27.25	15.60
20000	1.91	11.57	11.14	11.84	18.09	10.24
21000	1.79	12.12	15.04	11.44	10.53	10.56
22000	1.60	11.81	16.83	17.24	9.96	16.51
23000	1.86	10.83	10.53	13.69	19.78	12.08
24000	2.10	10.66	8.17	11.95	16.07	11.65
25000	2.16	10.74	9.64	10.75	11.78	10.26
26000	1.99	9.59	13.21	27.41	30.65	22.34
26500	2.13	9.39	11.88	17.82	15.80	22.06



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