

Directional Coupler Die

EDC10-273-D+

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

Note: Testdata of Die packaged in 4x4 mm, 24-lead MCLP package



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IF/RF MICROWAVE COMPONENTS

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