Directional Coupler Die EDC19-KA-D+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10 dBm @Temperature = +25°C

FREQUENCY (GHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
1.0	0.02	42.70	9.32	31.46	33.19	29.45
2.0	0.04	36.70	9.32	28.18	29.12	25.65
3.0	0.04	33.22	9.31	25.32	25.88	22.67
4.0	0.06	30.80	9.25	23.18	23.47	20.38
5.0	0.08	28.94	9.26	21.60	21.74	18.73
6.0	0.11	27.48	9.29	20.28	20.41	17.47
7.0	0.13	26.26	9.27	19.07	18.99	16.30
8.0	0.15	25.20	9.24	18.19	18.11	15.40
9.0	0.20	24.33	9.29	17.46	17.37	14.83
10.0	0.24	23.57	9.18	16.81	16.66	14.14
10.5	0.26	23.25	9.19	16.49	16.37	13.93
11.0	0.29	22.95	9.09	16.28	16.10	13.78
11.5	0.32	22.66	9.07	16.06	15.89	13.61
12.0	0.36	22.57	9.18	15.83	15.60	13.55
12.5	0.38	22.45	9.16	15.65	15.32	13.38
13.5	0.43	22.00	9.92	15.28	15.00	13.29
14.0	0.45	21.64	9.99	15.23	14.97	13.27
14.5	0.44	21.27	9.59	15.26	15.03	13.20
15.0	0.43	21.09	9.21	15.21	15.00	13.11
15.5	0.43	21.02	9.51	15.08	14.84	13.14
16.0	0.45	20.76	9.73	15.03	14.80	13.12
16.5	0.47	20.53	9.67	15.08	14.91	13.14
17.0	0.49	20.36	9.58	15.13	15.03	13.26
17.5	0.51	20.23	9.63	15.07	15.03	13.37
18.0	0.52	20.11	9.75	15.17	15.18	13.63
18.5	0.53	20.05	9.91	15.28	15.29	13.83
19.0	0.54	19.86	10.15	15.40	15.35	14.00
19.5	0.52	19.66	10.20	15.56	15.56	14.23
20.0	0.52	19.54	10.35	15.77	15.80	14.43
20.5	0.51	19.37	10.39	16.01	16.05	14.63
21.0	0.51	19.26	10.31	16.14	16.26	14.97
21.5	0.51	19.11	10.56	16.30	16.58	15.37
22.0	0.48	19.01	10.71	16.52	16.94	15.77
22.5	0.47	18.89	11.18	16.76	17.29	16.11
23.0	0.45	18.69	11.34	17.05	17.53	16.61
23.5	0.45	18.60	11.60	17.16	17.88	17.18
24.0	0.45	18.46	11.55	17.38	18.03	17.65
24.5	0.46	18.36	11.51	17.59	18.19	18.29
25.0	0.47	18.32	11.49	17.77	18.50	19.01
25.5	0.46	18.29	11.75	18.06	18.85	19.58
26.0	0.48	18.21	12.12	18.29	19.28	20.41
26.5	0.48	18.13	12.21	18.56	19.72	21.16
27.0	0.48	18.07	12.32	19.05	20.16	22.28
27.5	0.49	18.04	12.57	19.41	20.66	23.70
28.0	0.49	17.99	12.96	19.95	21.13	24.95
28.5	0.48	17.92	13.28	20.35	21.51	26.70
29.0	0.46	17.86	13.47	20.78	21.88	28.77
29.5	0.46	17.82	13.52	21.16	22.04	31.73
30.0	0.47	17.82	13.42	21.50	22.44	34.70
30.5	0.47	17.81	13.48	21.85	22.99	38.72
31.0	0.45	17.74	13.77	22.36	23.21	39.21
31.5	0.45	17.70	13.92	22.54	23.29	35.49
32.0	0.46	17.72	14.11	22.44	23.65	31.86
33.0	0.46	17.76	14.40	22.22	23.50	27.59
34.0	0.45	17.77	13.85	22.20	22.58	24.83
35.0	0.45	17.81	12.87	21.88	21.83	22.85
36.0	0.48	17.98	12.22	21.29	21.29	21.39
37.0	0.45	18.08	11.42	20.09	19.97	20.46
38.0	0.42	18.21	10.73	19.25	19.16	19.36
39.0	0.33	18.25	9.93	19.30	19.20	18.73
40.0	0.29	18.38	9.43	19.34	19.29	18.06
41.0	0.35	18.58	8.30	17.69	18.12	17.51
42.0	0.46	18.85	7.06	16.26	16.95	17.18
43.0	0.53	19.21	6.46	16.17	16.09	16.46
43.5	0.54	19.42	6.15	16.05	16.13	16.21