

Typical Performance Data

FREQ. (GHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.01	0.03	0.03	0.04	59.53	53.23	52.37	62.42	54.49	52.15
0.10	0.04	0.04	0.05	55.84	51.26	46.43	55.98	51.47	47.77
0.20	0.05	0.04	0.06	49.68	48.16	45.04	50.43	48.70	45.54
0.25	0.05	0.04	0.06	47.31	47.18	44.89	48.22	47.84	45.25
0.30	0.05	0.04	0.06	45.71	46.44	44.57	46.58	47.20	45.04
0.35	0.05	0.04	0.06	45.04	45.81	44.06	45.51	46.71	44.82
0.40	0.05	0.04	0.06	45.06	45.29	43.48	45.03	46.28	44.53
0.50	0.05	0.04	0.07	45.38	44.42	42.52	45.19	45.60	44.05
0.55	0.05	0.04	0.07	45.13	43.97	42.14	45.47	45.35	43.93
0.60	0.05	0.04	0.07	44.71	43.51	41.83	45.72	45.12	43.86
0.65	0.05	0.05	0.07	44.17	42.97	41.51	45.93	44.89	43.77
0.70	0.06	0.05	0.07	43.71	42.47	41.22	46.14	44.63	43.67
0.75	0.06	0.05	0.07	43.31	41.99	40.91	46.27	44.33	43.49
0.80	0.06	0.05	0.08	42.94	41.52	40.57	46.49	44.06	43.38
0.85	0.06	0.05	0.08	42.60	41.08	40.21	46.68	43.77	43.25
0.90	0.07	0.06	0.08	42.36	40.71	39.90	46.93	43.50	43.19
0.95	0.07	0.06	0.09	42.17	40.34	39.61	47.21	43.23	43.14
1.00	0.07	0.06	0.09	42.06	40.02	39.37	47.49	42.96	43.10
1.05	0.07	0.06	0.09	41.93	39.72	39.16	47.76	42.68	43.03
1.10	0.08	0.07	0.09	41.68	39.36	38.91	47.96	42.38	42.91
1.15	0.08	0.07	0.10	41.36	39.01	38.68	47.99	42.06	42.73
1.20	0.08	0.07	0.10	40.94	38.68	38.46	47.78	41.70	42.47
2.00	0.09	0.08	0.11	36.05	34.95	35.47	38.11	36.45	37.15
2.50	0.11	0.10	0.14	33.72	33.73	34.07	34.09	34.23	34.32
3.00	0.12	0.11	0.14	32.65	33.35	33.34	32.14	32.88	32.57
3.50	0.12	0.12	0.15	32.83	33.88	33.03	31.47	32.48	31.66
4.00	0.14	0.13	0.17	33.98	35.46	33.18	31.57	32.89	31.48
4.50	0.13	0.13	0.17	36.55	37.65	33.55	32.52	33.67	31.72
5.00	0.14	0.14	0.17	39.05	38.78	34.18	33.58	34.44	32.58
5.50	0.14	0.14	0.17	38.53	37.46	34.15	34.39	34.85	33.50
6.00	0.14	0.14	0.17	35.90	35.72	33.08	34.65	35.23	33.77
6.50	0.14	0.14	0.18	34.41	34.32	31.64	35.50	35.86	33.33
7.00	0.15	0.14	0.18	32.87	32.17	29.36	35.74	34.46	31.08
7.50	0.16	0.16	0.20	30.42	28.64	26.75	32.78	30.01	27.95
8.00	0.19	0.18	0.23	27.14	25.07	24.19	28.19	25.67	24.83
8.50	0.22	0.23	0.27	23.75	22.02	21.59	24.19	22.27	21.87
9.00	0.27	0.28	0.32	21.09	19.68	19.43	21.28	19.80	19.57
9.50	0.31	0.33	0.38	19.09	18.01	17.82	19.21	18.11	17.93
10.00	0.36	0.37	0.42	17.57	16.94	16.67	17.66	17.03	16.78
10.50	0.39	0.39	0.45	16.71	16.45	16.08	16.78	16.54	16.19
11.00	0.40	0.39	0.44	16.34	16.47	16.02	16.43	16.59	16.16
11.50	0.38	0.36	0.42	16.44	16.92	16.42	16.58	17.11	16.61
12.00	0.35	0.33	0.38	16.97	17.84	17.27	17.13	18.09	17.51
12.50	0.32	0.30	0.35	18.06	19.18	18.64	18.08	19.35	18.79
13.00	0.28	0.27	0.32	19.56	20.75	20.22	19.26	20.57	20.11
13.50	0.28	0.28	0.33	21.15	21.99	21.54	20.30	21.23	21.06
14.00	0.29	0.30	0.35	21.99	22.08	21.70	20.49	20.97	21.06
14.50	0.34	0.35	0.40	20.85	20.76	20.37	19.65	19.88	20.08
14.53	0.34	0.35	0.40	20.76	20.67	20.29	19.60	19.82	20.04
14.55	0.34	0.36	0.41	20.67	20.58	20.19	19.54	19.75	19.97
14.58	0.34	0.36	0.41	20.57	20.49	20.10	19.48	19.66	19.90
15.00	0.40	0.42	0.47	18.82	18.79	18.45	18.30	18.45	18.73
15.50	0.48	0.50	0.56	16.67	16.67	16.44	16.80	16.91	17.20
15.53	0.48	0.50	0.56	16.57	16.58	16.36	16.72	16.82	17.13
16.00	0.58	0.60	0.67	14.58	14.70	14.51	15.20	15.28	15.51
16.50	0.69	0.72	0.79	12.80	12.89	12.77	13.64	13.63	13.86
16.55	0.71	0.73	0.81	12.63	12.73	12.61	13.47	13.47	13.68
17.00	0.83	0.86	0.94	11.20	11.33	11.21	12.11	12.10	12.25
17.50	1.00	1.04	1.13	9.91	10.05	9.91	10.80	10.81	10.88
18.00	1.14	1.18	1.28	8.94	9.07	8.94	9.76	9.80	9.83



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IF/RF MICROWAVE COMPONENTS

Typical Performance Data

FREQ.	GROUP DELAY		
(GHz)	(psec)		
	@-55°C	@+25°C	@+125°C
0.01	162.68	155.89	165.66
0.50	152.33	152.55	154.71
1.00	152.13	152.17	154.27
1.50	151.96	151.98	154.13
2.00	151.93	151.93	154.10
2.50	151.85	151.84	154.02
3.00	152.00	152.01	154.16
3.50	152.13	152.10	154.23
4.00	152.29	152.25	154.31
4.50	152.64	152.50	154.57
5.00	152.72	152.62	154.64
5.50	152.82	152.70	154.73
6.00	153.02	152.94	154.98
6.50	153.23	153.11	155.19
7.00	153.49	153.40	155.47
7.50	153.75	153.71	155.76
8.00	154.12	153.96	156.04
8.50	154.17	153.92	156.01
9.00	154.21	153.88	155.96
9.50	154.12	153.68	155.76
10.00	153.92	153.45	155.51
10.50	153.83	153.50	155.44
11.00	153.87	153.78	155.68
11.50	154.08	154.15	156.08
12.00	154.73	154.95	156.90
12.50	155.74	155.81	157.99
13.00	156.80	156.92	159.03
13.50	157.35	157.43	159.58
14.00	158.71	158.05	160.40
14.50	158.99	158.79	161.03
15.00	159.55	159.39	161.54
15.53	160.04	159.98	162.10
15.55	160.07	159.99	162.12
16.00	160.33	160.56	162.69
16.50	160.84	160.74	162.89
16.53	160.78	160.66	162.84
16.55	160.78	160.63	162.87
16.58	160.81	160.69	162.88
17.00	160.55	160.49	162.81
17.50	159.75	159.87	161.88
18.00	159.61	159.15	161.22