

Typical Performance Data

FREQ.  (MHz)	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
10	0.11	0.15	0.17	31.39	32.43	29.63	31.68	32.43	29.73
15	0.11	0.16	0.18	31.26	31.19	28.80	31.57	31.15	29.06
20	0.12	0.17	0.18	32.48	30.82	29.46	32.08	30.35	29.21
40	0.14	0.20	0.22	28.93	27.01	26.13	28.48	26.41	25.83
60	0.16	0.24	0.26	26.74	24.89	23.96	25.51	23.74	23.06
80	0.20	0.27	0.30	24.18	22.96	21.75	23.34	21.89	21.09
100	0.22	0.30	0.33	22.96	21.61	20.63	21.52	20.31	19.52
120	0.25	0.34	0.37	21.51	20.46	19.45	20.21	19.08	18.40
140	0.28	0.37	0.41	20.43	19.54	18.58	18.88	18.00	17.30
160	0.30	0.40	0.45	19.35	18.61	17.73	17.90	17.14	16.49
180	0.33	0.43	0.48	18.58	17.88	17.13	16.99	16.41	15.74
200	0.36	0.47	0.52	17.80	17.23	16.53	16.30	15.83	15.17
220	0.39	0.50	0.55	17.25	16.71	16.10	15.68	15.32	14.66
240	0.42	0.54	0.59	16.68	16.19	15.65	15.22	14.91	14.26
260	0.45	0.57	0.63	16.32	15.82	15.37	14.89	14.60	13.99
280	0.48	0.60	0.66	16.05	15.56	15.16	14.67	14.43	13.80
300	0.50	0.64	0.69	15.88	15.40	15.05	14.64	14.40	13.79
320	0.53	0.66	0.72	15.83	15.36	15.04	14.71	14.49	13.86
340	0.55	0.69	0.75	15.99	15.49	15.23	14.97	14.72	14.13
360	0.57	0.71	0.78	16.26	15.80	15.52	15.44	15.13	14.58
380	0.59	0.74	0.81	16.79	16.32	16.04	16.15	15.79	15.26
400	0.61	0.76	0.84	17.56	17.08	16.77	17.19	16.77	16.25
420	0.63	0.79	0.87	18.67	18.19	17.79	18.75	18.22	17.71
440	0.66	0.82	0.90	20.18	19.70	19.11	21.14	20.34	19.88
460	0.69	0.86	0.95	22.21	21.67	20.81	24.93	23.66	23.23
480	0.74	0.92	1.01	24.32	23.83	22.53	32.55	29.94	29.62
490	0.77	0.95	1.05	25.14	24.67	23.27	37.71	35.90	36.37
510	0.85	1.03	1.13	24.63	24.51	23.46	28.03	30.47	31.09
660	2.59	2.66	2.75	14.80	17.48	19.13	11.60	12.78	13.26
730	11.47	9.75	8.64	2.47	3.56	4.78	3.82	4.89	5.99
770	21.17	18.76	16.93	1.21	1.68	2.18	2.87	3.67	4.41
810	32.33	29.42	27.13	0.81	1.11	1.37	2.22	2.90	3.43
820	35.39	32.30	29.87	0.75	1.03	1.26	2.07	2.72	3.20
900	61.95	64.27	59.33	0.48	0.67	0.80	1.17	1.59	1.81
980	59.34	59.16	59.13	0.36	0.51	0.61	0.69	0.97	1.10
1100	73.02	70.61	68.83	0.26	0.39	0.47	0.35	0.52	0.61
1200	64.19	66.33	67.80	0.19	0.31	0.38	0.20	0.34	0.39
1300	56.79	58.18	59.25	0.14	0.26	0.32	0.12	0.26	0.28
1400	52.61	53.71	54.46	0.11	0.22	0.28	0.06	0.21	0.20
1500	49.80	50.68	51.29	0.09	0.20	0.25	0.02	0.18	0.15
1600	47.84	48.60	49.10	0.08	0.18	0.23	0.01	0.17	0.12
1700	46.41	47.08	47.46	0.05	0.16	0.21	0.03	0.14	0.08
1800	45.37	45.94	46.28	0.03	0.14	0.18	0.03	0.13	0.07
1900	44.62	45.12	45.37	0.01	0.13	0.16	0.04	0.11	0.06
2000	44.07	44.50	44.72	0.00	0.12	0.15	0.05	0.09	0.05
2200	43.42	43.77	43.89	0.01	0.10	0.12	0.07	0.07	0.03
2400	43.30	43.54	43.62	0.00	0.10	0.13	0.07	0.06	0.03
2600	43.54	43.70	43.72	0.01	0.10	0.13	0.08	0.08	0.03
2800	44.04	44.14	44.08	0.02	0.09	0.10	0.07	0.10	0.05
3000	44.82	44.85	44.71	0.03	0.09	0.09	0.07	0.11	0.06
3200	46.01	45.95	45.71	0.02	0.13	0.13	0.06	0.12	0.08
3400	47.49	47.34	47.02	0.07	0.16	0.19	0.03	0.12	0.11
3600	49.88	49.41	48.93	0.09	0.19	0.21	0.03	0.14	0.13
3800	54.41	53.23	52.14	0.13	0.23	0.25	0.01	0.18	0.17
4000	62.94	63.71	60.03	0.25	0.33	0.34	0.01	0.22	0.20
4500	30.13	30.48	31.35	1.23	2.35	3.83	0.21	0.37	0.38
5000	30.96	30.69	28.85	1.62	3.67	6.36	0.23	0.58	0.90
5500	20.54	20.19	23.81	1.55	1.46	0.94	0.56	0.74	0.51
6000	42.65	47.21	54.60	0.41	0.60	0.74	0.05	0.37	0.40
8500	25.87	26.76	27.17	0.78	1.18	1.56	0.63	0.84	0.83



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IF/RF MICROWAVE COMPONENTS

## Typical Performance Data

FREQ.  (MHz)	GROUP DELAY		
	(nsec)		
	@-55°C	@+25°C	@+125°C
10	0.87	0.91	0.85
15	0.88	0.92	0.86
20	0.89	0.92	0.87
40	0.90	0.92	0.88
60	0.91	0.92	0.89
80	0.92	0.93	0.90
100	0.93	0.93	0.91
120	0.94	0.94	0.93
140	0.95	0.94	0.93
160	0.96	0.95	0.94
180	0.98	0.96	0.95
200	0.99	0.97	0.96
220	1.00	0.99	0.97
240	1.02	1.00	0.99
260	1.04	1.02	1.01
280	1.07	1.04	1.03
300	1.10	1.07	1.05
320	1.13	1.10	1.08
340	1.17	1.13	1.12
360	1.21	1.17	1.15
380	1.25	1.22	1.20
400	1.30	1.26	1.24
420	1.35	1.31	1.29
440	1.41	1.37	1.34
460	1.46	1.42	1.39
480	1.52	1.48	1.44
490	1.58	1.53	1.50
500	1.64	1.59	1.55
510	1.71	1.65	1.60