

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Attenuation = -S21 (dB)

Output Return Loss = -S22 (dB)

FREQ	Attenuation				Input Return Loss				Output Return Loss			
	-45°C	+25°C	+85°C	+105°C	-45°C	+25°C	+85°C	+105°C	-45°C	+25°C	+85°C	+105°C
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
0.009	0.002	0.004	0.011	0.013	31.47	31.44	31.51	31.43	29.96	29.92	29.97	30.00
0.5	0.002	0.004	0.011	0.013	43.34	43.64	43.21	43.03	43.17	43.55	43.11	42.93
1	0.002	0.004	0.011	0.013	44.03	44.23	43.82	43.56	43.05	43.35	42.87	42.68
5	0.002	0.004	0.011	0.013	42.44	42.50	41.95	41.69	42.72	42.82	42.31	42.00
10	0.002	0.004	0.011	0.013	42.93	42.74	42.08	41.78	42.52	42.44	41.81	41.57
100	0.002	0.004	0.011	0.013	45.35	42.79	41.01	40.39	44.96	42.33	40.54	39.96
200	0.003	0.006	0.015	0.017	40.21	39.52	38.73	38.42	40.21	39.41	38.35	38.08
400	0.006	0.007	0.018	0.021	36.78	36.70	36.14	35.89	37.15	36.85	36.07	35.83
600	0.008	0.010	0.020	0.023	35.21	35.05	34.45	34.25	35.77	35.57	34.97	34.76
800	0.009	0.012	0.023	0.025	34.54	34.36	33.85	33.73	35.21	34.91	34.34	34.16
1000	0.012	0.014	0.026	0.029	34.05	33.69	33.22	33.15	34.73	34.63	34.12	34.04
2000	0.034	0.037	0.048	0.049	32.23	32.04	32.48	32.88	36.51	36.59	37.00	37.58
4000	0.052	0.047	0.053	0.059	34.79	39.49	44.55	45.56	33.92	36.40	37.52	37.75
6000	0.042	0.038	0.063	0.076	31.62	32.13	34.05	34.71	30.33	31.12	31.97	32.21
8000	0.028	0.036	0.074	0.090	33.57	33.35	33.20	33.22	37.05	34.94	34.03	33.99
10000	0.032	0.046	0.092	0.112	31.10	32.44	33.30	33.34	29.47	30.52	30.93	30.98
12000	0.015	0.035	0.090	0.114	29.15	29.83	30.95	31.19	29.89	30.70	32.33	32.45
14000	0.148	0.136	0.172	0.192	16.19	17.90	19.47	20.01	16.58	18.22	19.86	20.42
16000	-0.012	0.031	0.113	0.148	31.72	30.25	31.10	31.91	38.91	31.00	32.29	34.98
18000	0.052	0.078	0.150	0.184	34.14	33.82	32.77	30.21	30.22	33.63	31.20	28.87
20000	0.186	0.242	0.334	0.367	15.53	14.61	14.79	14.95	15.50	14.87	14.98	15.12
22000	0.259	0.230	0.255	0.266	14.16	16.26	18.25	19.16	14.46	16.35	18.28	19.22
24000	0.074	0.107	0.195	0.232	29.60	27.94	28.25	28.95	26.98	26.23	26.87	27.63
26000	0.158	0.207	0.316	0.363	18.48	18.34	17.27	16.74	18.90	18.63	17.56	16.96
28000	0.229	0.243	0.324	0.351	16.14	17.27	17.91	18.46	16.16	17.35	17.82	18.28
30000	0.220	0.288	0.348	0.366	18.99	17.72	19.03	20.17	18.49	17.71	18.91	20.02
32000	0.202	0.238	0.283	0.317	22.11	26.24	25.98	25.61	23.04	26.73	26.63	26.43
34000	0.382	0.360	0.401	0.420	16.36	16.87	17.02	17.18	20.30	19.03	17.90	17.67
36000	0.209	0.209	0.343	0.350	15.36	17.77	20.03	21.95	16.49	17.75	20.25	21.94
38000	0.211	0.226	0.393	0.441	19.20	18.67	17.79	17.23	17.76	18.23	17.97	17.54
40000	0.084	0.138	0.307	0.377	22.66	26.94	27.44	26.89	21.23	26.62	26.07	25.25
42000	0.215	0.228	0.351	0.405	17.86	21.47	22.36	22.93	19.03	21.01	21.41	21.93
44000	0.214	0.253	0.390	0.473	28.78	29.87	23.81	21.67	29.48	30.71	22.76	20.94
46000	0.126	0.311	0.477	0.545	21.34	18.42	19.18	19.46	19.63	18.14	18.81	18.92
48000	0.236	0.361	0.450	0.503	14.72	17.40	21.17	22.52	15.98	17.40	21.00	22.56
50000	0.077	0.230	0.400	0.482	22.23	24.95	25.58	24.51	18.42	24.47	24.74	23.53
52000	0.194	0.301	0.472	0.553	23.07	26.16	22.71	21.40	22.67	27.96	24.94	23.83
54000	0.261	0.327	0.475	0.544	25.93	27.33	25.31	24.84	19.90	30.20	29.57	27.74
56000	0.417	0.422	0.603	0.685	17.26	19.74	18.96	18.35	16.16	19.13	18.28	17.50
58000	0.316	0.313	0.478	0.535	24.10	25.44	22.78	21.32	25.33	22.80	21.85	20.93
60000	0.308	0.425	0.675	0.749	25.76	20.41	18.32	17.55	23.52	19.34	18.30	18.35
62000	1.276	1.160	1.471	1.628	8.70	10.08	9.75	9.41	8.43	9.57	9.21	8.93
64000	1.258	1.553	1.704	1.746	10.55	8.79	9.67	10.06	9.56	8.77	9.59	10.00
66000	2.234	1.908	2.068	2.164	5.58	8.78	10.06	10.32	6.56	9.26	10.39	10.68
67000	1.492	1.949	2.196	2.303	10.89	10.18	10.87	11.05	12.36	10.92	11.72	12.04