

## Typical Performance Data

FREQUENCY (GHz)	AVERAGE INSERTION LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (dB)	ISOLATION (dB)	INPUT RETURN LOSS (dB)	OUTPUT RETURN LOSS (dB)	COUPLED RETURN LOSS (dB)	ISOLATED RETURN LOSS (dB)
0.20	0.048	16.612	1.115	29.068	26.491	26.056	27.591	27.344
0.40	0.095	10.734	1.465	23.777	21.949	21.319	23.157	23.036
0.60	0.135	7.411	1.559	21.510	19.723	19.366	20.880	21.057
0.80	0.149	5.164	1.384	20.928	18.961	18.608	20.019	20.409
1.00	0.141	3.515	1.066	21.536	19.637	19.257	20.907	21.275
1.10	0.136	2.841	0.937	21.986	20.297	19.960	21.960	22.186
1.20	0.132	2.250	0.825	22.473	20.934	20.701	23.111	23.256
1.30	0.125	1.731	0.700	23.215	21.510	21.636	24.297	24.498
1.40	0.116	1.276	0.583	24.164	22.369	22.895	25.096	25.804
1.50	0.108	0.880	0.471	25.552	23.394	24.133	26.605	28.458
1.60	0.100	0.538	0.394	27.561	24.685	25.944	28.508	31.513
1.70	0.095	0.254	0.329	30.916	26.549	28.807	30.764	35.008
1.80	0.092	0.023	0.266	36.188	29.348	31.738	34.206	36.951
1.90	0.093	0.149	0.230	52.260	33.312	32.329	37.237	32.961
2.00	0.102	0.263	0.217	36.111	37.092	30.130	31.536	29.049
2.10	0.117	0.321	0.197	30.192	33.520	27.329	27.020	26.337
2.20	0.132	0.319	0.147	26.811	29.042	24.958	23.778	24.021
2.30	0.153	0.253	0.052	24.371	25.566	22.694	21.611	22.568
2.40	0.179	0.116	0.057	22.355	23.106	20.921	20.096	20.796
2.50	0.216	0.095	0.245	20.580	21.098	19.332	18.649	19.107
2.60	0.271	0.387	0.549	18.935	19.045	17.563	17.269	17.628
2.70	0.343	0.778	1.031	17.402	17.080	15.905	15.814	16.141
2.80	0.438	1.267	1.804	16.061	15.205	14.387	14.160	14.495
3.00	0.724	2.534	4.782	13.966	11.754	11.291	11.072	11.627
3.20	1.105	4.121	10.398	12.762	9.219	8.995	8.738	9.449
3.40	1.569	5.955	19.051	12.187	7.282	7.229	7.425	7.809
3.60	1.994	8.125	30.244	12.511	6.006	5.972	6.777	6.862
3.80	2.159	11.188	43.693	13.538	5.434	5.546	6.705	6.728
4.00	1.918	17.474	82.714	16.835	5.507	6.008	8.075	8.083
4.20	1.246	11.434	11.965	29.730	7.617	8.677	14.974	13.601
4.40	0.772	4.229	6.258	16.756	11.573	13.422	17.796	13.302
4.60	0.821	0.657	11.790	12.046	10.868	12.301	9.931	7.978
4.80	0.942	1.025	16.642	10.438	8.591	10.677	7.629	5.693
5.00	0.881	1.728	18.168	9.240	6.956	10.416	6.075	4.190
5.20	0.509	2.346	16.122	7.164	5.570	10.668	4.684	2.411
5.40	0.268	3.570	15.818	6.996	6.582	10.678	3.526	2.745
5.60	1.106	4.800	25.350	8.158	7.651	10.250	2.490	3.835
5.80	0.008	3.272	36.885	8.958	7.235	10.398	3.426	4.950
6.00	1.140	1.027	33.966	8.872	6.973	9.597	4.499	4.963
6.20	1.794	0.438	25.484	8.963	6.453	8.406	4.780	4.528
6.40	2.336	1.497	15.997	9.118	5.643	7.354	4.704	4.160
6.60	2.818	2.280	5.587	9.143	4.782	6.349	4.497	3.937
6.80	3.075	2.705	5.398	9.201	4.363	5.901	4.463	3.867
7.00	3.215	2.638	16.750	9.100	4.427	5.566	4.537	3.915
7.20	3.292	2.314	26.431	8.956	4.610	5.552	4.701	4.363
7.40	3.333	1.820	33.005	8.752	4.668	5.736	5.345	4.989
7.60	3.378	1.224	37.218	8.306	4.593	5.771	6.365	5.937
7.80	3.561	0.642	39.241	7.732	4.538	5.829	7.382	6.959
8.00	4.043	0.041	37.803	7.256	4.485	5.516	8.014	7.989
8.20	4.740	0.398	31.376	6.889	4.180	4.749	7.927	8.318
8.40	5.534	0.162	18.282	6.690	3.742	4.286	6.923	7.581
8.60	6.042	2.535	1.982	6.603	3.342	3.884	5.745	6.375
8.80	5.837	7.508	9.018	6.747	3.558	4.046	4.529	5.061
9.00	4.830	16.482	9.187	7.060	4.724	5.099	3.438	4.070
9.20	3.714	24.341	50.773	7.346	6.582	6.645	2.641	3.461
9.40	3.000	13.084	29.414	7.412	8.868	8.397	2.346	3.460
9.60	2.755	8.416	24.627	7.018	12.123	9.284	2.437	3.759
9.80	3.047	5.050	23.208	6.257	14.333	8.105	2.819	4.537
10.00	3.891	1.796	25.927	5.513	11.009	5.914	2.944	5.116