

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	INPUT RETURN LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE ⁽²⁾ (deg.)
4000	1.52	6.68	1.04	1.85
4200	1.29	7.33	0.99	2.67
4400	1.10	8.00	0.96	3.45
4600	0.93	8.69	0.93	4.14
4800	0.78	9.36	0.92	4.70
5000	0.65	10.06	0.89	5.21
5200	0.53	10.72	0.87	5.56
5500	0.38	11.66	0.85	6.07
5600	0.33	12.00	0.82	6.19
5800	0.25	12.59	0.79	6.53
6000	0.18	13.12	0.78	6.68
6200	0.12	13.61	0.76	6.81
6500	0.04	14.27	0.72	6.99
6600	0.01	14.49	0.70	7.05
6800	0.03	14.94	0.68	7.09
7000	0.06	15.36	0.65	7.10
7200	0.08	15.79	0.63	7.07
7500	0.11	16.60	0.59	6.89
7600	0.12	16.90	0.58	6.80
7800	0.13	17.53	0.55	6.55
8000	0.14	18.28	0.51	6.19
8200	0.14	19.11	0.46	5.80
8500	0.14	20.78	0.36	5.22
8600	0.13	21.51	0.32	5.04
8800	0.12	23.04	0.24	4.73
9000	0.13	24.65	0.18	4.34
9200	0.12	25.66	0.09	3.86
9500	0.09	23.79	0.08	3.34
9600	0.07	22.46	0.14	3.13
9800	0.03	19.79	0.25	2.87
10000	0.04	17.33	0.39	2.71
10200	0.13	15.17	0.51	2.63
10500	0.29	12.61	0.70	2.86
10600	0.35	11.98	0.73	2.98
10800	0.49	10.88	0.81	3.07
11000	0.63	9.96	0.89	3.25
11200	0.77	9.19	0.96	3.54
11500	0.95	8.42	1.03	4.17
11600	1.00	8.27	1.03	4.42
11800	1.09	8.02	1.01	4.73
12000	1.15	7.87	0.95	4.96
12200	1.20	7.79	0.89	4.99
12500	1.25	7.83	0.79	4.81
12600	1.26	7.88	0.75	4.82
12800	1.30	8.02	0.65	4.56
13000	1.34	8.16	0.54	4.23
13200	1.39	8.34	0.40	3.79
13500	1.51	8.57	0.18	2.61
13600	1.55	8.61	0.12	2.04
13800	1.66	8.65	0.03	1.39
14000	1.79	8.63	0.17	1.03

⁽¹⁾ Insertion Loss is referenced to mid-band loss, 1.5 dB

⁽²⁾ Relative to 180°

Note: Testdata of Die packaged in 3x3 mm, 12-lead MCL package