

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: P_{IN} = -10 dBm @ Temperature = +25°C

FREQ	Total Loss ¹		Amp. Unbal.	Phase Unbal.	Isolation 1-2	Return Loss		
	S-1	S-2				S	1	2
(MHz)	(dB)	(dB)	(dB)	(Deg.)	(dB)	(dB)	(dB)	(dB)
1600	4.30	4.34	0.03	0.79	22.3	19.1	19.8	20.0
1650	4.27	4.31	0.03	0.78	22.6	17.8	19.4	19.5
1700	4.25	4.29	0.03	0.76	22.5	16.9	19.1	19.1
1750	4.23	4.27	0.03	0.75	22.3	16.5	19.0	18.9
1800	4.22	4.25	0.03	0.75	22.1	16.2	19.0	18.9
1850	4.20	4.23	0.03	0.76	22.0	16.2	19.0	18.9
1900	4.18	4.22	0.03	0.76	22.1	16.3	19.2	19.0
1950	4.16	4.20	0.03	0.77	22.1	16.6	19.5	19.3
2000	4.14	4.18	0.03	0.78	22.3	17.1	19.8	19.6
2050	4.13	4.17	0.03	0.78	22.4	17.7	20.2	20.0
2100	4.11	4.15	0.03	0.79	22.6	18.5	20.8	20.5
2150	4.10	4.14	0.03	0.80	22.7	19.5	21.5	21.1
2200	4.08	4.12	0.03	0.80	22.9	20.7	22.3	21.8
2250	4.08	4.12	0.02	0.82	23.0	22.2	23.2	22.6
2300	4.07	4.11	0.02	0.83	23.1	24.1	24.2	23.6
2350	4.06	4.10	0.02	0.83	23.1	26.5	25.5	24.7
2400	4.06	4.10	0.02	0.83	23.0	29.9	26.9	26.0
2450	4.06	4.10	0.02	0.84	22.9	34.6	28.6	27.5
2500	4.06	4.10	0.02	0.84	22.7	37.0	30.5	29.2
2550	4.07	4.11	0.02	0.85	22.5	32.2	32.2	30.9
2600	4.08	4.12	0.02	0.85	22.3	28.2	32.8	32.1
2650	4.09	4.13	0.02	0.86	22.0	25.3	32.1	32.1
2700	4.10	4.14	0.03	0.86	21.8	23.3	30.4	31.0
2750	4.11	4.15	0.02	0.86	21.6	21.6	28.5	29.4
2800	4.13	4.17	0.02	0.86	21.4	20.3	26.8	27.7
2850	4.15	4.18	0.03	0.85	21.3	19.2	25.3	26.2
2900	4.16	4.20	0.03	0.85	21.1	18.3	24.1	25.0
2950	4.18	4.22	0.03	0.86	21.1	17.5	23.1	23.8
3000	4.20	4.24	0.03	0.87	21.0	16.9	22.2	22.9
3050	4.22	4.26	0.04	0.88	21.1	16.3	21.4	22.0
3100	4.23	4.27	0.04	0.89	21.2	15.9	20.7	21.3
3150	4.25	4.29	0.04	0.91	21.3	15.5	20.1	20.6
3200	4.26	4.30	0.05	0.93	21.5	15.2	19.5	20.0
3250	4.27	4.31	0.05	0.94	21.7	15.0	19.1	19.6
3300	4.28	4.32	0.05	0.96	22.1	14.8	18.7	19.1
3350	4.30	4.34	0.05	0.99	22.5	14.7	18.3	18.8
3400	4.30	4.34	0.05	1.02	23.1	14.7	18.0	18.5

1. Total Loss = Single Path (S-1 or S-2) Insertion Loss + 3 dB Splitter Loss

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: $P_{IN} = -10$ dBm @ Temperature = -45°C

FREQ	Total Loss ¹		Amp. Unbal.	Phase Unbal.	Isolation 1-2	Return Loss		
	S-1	S-2				S	1	2
(MHz)	(dB)	(dB)	(dB)	(Deg.)	(dB)	(dB)	(dB)	(dB)
1600	4.14	4.17	0.02	0.74	22.7	19.1	19.9	20.1
1650	4.11	4.14	0.02	0.71	23.0	17.9	19.5	19.6
1700	4.09	4.12	0.02	0.69	22.8	17.0	19.1	19.2
1750	4.07	4.10	0.03	0.68	22.5	16.5	19.0	19.0
1800	4.06	4.09	0.03	0.67	22.3	16.2	18.9	18.8
1850	4.05	4.08	0.03	0.67	22.1	16.1	18.9	18.8
1900	4.03	4.06	0.03	0.68	22.1	16.2	19.0	18.9
1950	4.01	4.05	0.03	0.68	22.1	16.5	19.3	19.0
2000	3.99	4.03	0.03	0.70	22.2	17.0	19.6	19.3
2050	3.98	4.01	0.03	0.70	22.3	17.5	20.1	19.7
2100	3.96	4.00	0.03	0.71	22.5	18.3	20.6	20.2
2150	3.95	3.98	0.03	0.72	22.6	19.3	21.3	20.7
2200	3.93	3.96	0.03	0.73	22.8	20.5	22.0	21.4
2250	3.92	3.96	0.03	0.74	22.9	22.0	22.9	22.2
2300	3.91	3.94	0.03	0.75	23.0	23.9	23.9	23.1
2350	3.90	3.94	0.03	0.76	23.0	26.4	25.1	24.2
2400	3.90	3.93	0.03	0.77	23.0	29.8	26.4	25.3
2450	3.90	3.93	0.03	0.77	22.8	35.6	28.0	26.7
2500	3.90	3.93	0.03	0.77	22.7	40.9	29.5	28.2
2550	3.91	3.94	0.02	0.79	22.5	33.3	30.8	29.6
2600	3.91	3.95	0.03	0.77	22.2	28.6	31.2	30.6
2650	3.92	3.96	0.02	0.78	22.0	25.5	30.6	30.7
2700	3.93	3.97	0.02	0.78	21.7	23.3	29.3	29.9
2750	3.95	3.98	0.02	0.77	21.5	21.6	27.7	28.6
2800	3.96	3.99	0.02	0.77	21.3	20.2	26.2	27.2
2850	3.98	4.01	0.03	0.75	21.1	19.1	24.9	25.9
2900	3.99	4.03	0.03	0.75	20.9	18.2	23.8	24.6
2950	4.01	4.04	0.03	0.74	20.8	17.4	22.8	23.6
3000	4.03	4.06	0.03	0.74	20.8	16.8	22.0	22.7
3050	4.04	4.07	0.04	0.75	20.8	16.3	21.2	21.9
3100	4.06	4.09	0.04	0.75	20.8	15.8	20.6	21.1
3150	4.07	4.10	0.04	0.77	20.9	15.5	20.0	20.5
3200	4.08	4.12	0.05	0.77	21.1	15.2	19.5	20.0
3250	4.10	4.13	0.05	0.78	21.3	15.0	19.0	19.5
3300	4.10	4.14	0.06	0.80	21.6	14.8	18.6	19.1
3350	4.11	4.15	0.06	0.83	22.0	14.7	18.3	18.7
3400	4.12	4.15	0.06	0.85	22.6	14.7	18.0	18.4

1. Total Loss = Single Path (S-1 or S-2) Insertion Loss + 3 dB Splitter Loss

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: $P_{IN} = -10$ dBm @ Temperature = +85°C

FREQ	Total Loss ¹		Amp. Unbal.	Phase Unbal.	Isolation 1-2	Return Loss		
	S-1	S-2				S	1	2
(MHz)	(dB)	(dB)	(dB)	(Deg.)	(dB)	(dB)	(dB)	(dB)
1600	4.45	4.48	0.02	0.92	21.9	18.5	19.4	19.6
1650	4.41	4.44	0.02	0.91	22.2	17.3	19.1	19.2
1700	4.39	4.42	0.02	0.90	22.1	16.6	18.9	18.9
1750	4.37	4.40	0.02	0.89	22.0	16.2	18.9	18.8
1800	4.35	4.38	0.02	0.90	22.0	16.0	18.9	18.8
1850	4.33	4.36	0.03	0.91	22.0	16.0	19.0	18.9
1900	4.31	4.34	0.02	0.92	22.1	16.2	19.3	19.1
1950	4.29	4.32	0.02	0.93	22.2	16.6	19.6	19.4
2000	4.27	4.30	0.02	0.95	22.4	17.1	20.1	19.9
2050	4.26	4.29	0.02	0.95	22.6	17.8	20.6	20.4
2100	4.24	4.27	0.02	0.97	22.9	18.7	21.3	21.1
2150	4.23	4.26	0.02	0.98	23.0	19.8	22.1	21.8
2200	4.21	4.24	0.02	0.99	23.2	21.2	23.1	22.8
2250	4.21	4.24	0.02	1.01	23.3	23.0	24.2	23.9
2300	4.20	4.23	0.02	1.02	23.4	25.2	25.6	25.2
2350	4.20	4.23	0.02	1.04	23.3	28.3	27.3	26.8
2400	4.20	4.23	0.02	1.04	23.2	32.7	29.3	28.8
2450	4.20	4.23	0.02	1.05	23.0	35.6	31.8	31.2
2500	4.21	4.24	0.02	1.06	22.8	33.0	33.9	33.2
2550	4.22	4.25	0.02	1.06	22.6	29.2	34.3	33.5
2600	4.24	4.26	0.02	1.06	22.4	26.1	33.1	32.6
2650	4.25	4.28	0.02	1.07	22.1	23.7	31.2	31.2
2700	4.27	4.30	0.02	1.08	21.9	21.9	29.1	29.4
2750	4.29	4.31	0.02	1.08	21.7	20.5	27.2	27.6
2800	4.31	4.33	0.02	1.08	21.5	19.3	25.6	26.0
2850	4.33	4.36	0.02	1.07	21.4	18.3	24.3	24.6
2900	4.35	4.38	0.02	1.07	21.3	17.5	23.2	23.5
2950	4.36	4.39	0.03	1.08	21.2	16.8	22.2	22.5
3000	4.38	4.41	0.03	1.09	21.2	16.2	21.4	21.6
3050	4.40	4.43	0.03	1.11	21.2	15.8	20.7	20.9
3100	4.41	4.44	0.03	1.12	21.3	15.4	20.1	20.3
3150	4.43	4.46	0.04	1.15	21.5	15.1	19.5	19.7
3200	4.44	4.47	0.04	1.17	21.7	14.8	19.1	19.2
3250	4.45	4.48	0.04	1.18	22.0	14.7	18.7	18.8
3300	4.45	4.49	0.04	1.21	22.4	14.6	18.3	18.5
3350	4.47	4.50	0.04	1.25	22.9	14.5	18.0	18.2
3400	4.47	4.51	0.05	1.27	23.6	14.6	17.8	18.0

1. Total Loss = Single Path (S-1 or S-2) Insertion Loss + 3 dB Splitter Loss