

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)
400	3.93	3.94	0.01	0.16	10.1	13.5	19.4	19.2
450	3.92	3.93	0.01	0.18	11.0	14.1	20.2	20.0
500	3.91	3.92	0.01	0.15	11.9	14.8	20.8	20.7
550	3.90	3.91	0.01	0.18	12.9	15.6	21.4	21.4
600	3.89	3.90	0.01	0.18	13.9	16.6	22.0	22.1
650	3.88	3.89	0.01	0.19	15.0	17.7	22.5	22.7
700	3.87	3.88	0.01	0.21	16.3	18.9	23.0	23.3
750	3.87	3.88	0.01	0.23	17.6	20.3	23.5	24.0
800	3.88	3.88	0.01	0.25	19.1	21.9	23.8	24.5
850	3.88	3.89	0.01	0.28	20.9	23.5	24.3	25.0
900	3.90	3.91	0.01	0.29	23.0	25.1	24.5	25.4
950	3.91	3.93	0.01	0.29	25.4	26.0	24.8	25.7
1000	3.94	3.95	0.01	0.30	28.2	26.1	25.0	26.0
1050	3.95	3.96	0.01	0.31	31.1	25.4	25.1	26.2
1100	3.98	3.99	0.01	0.34	32.4	24.3	25.1	26.3
1150	4.00	4.01	0.01	0.33	31.2	23.2	25.1	26.4
1200	4.03	4.04	0.01	0.36	29.1	22.3	25.1	26.4
1250	4.06	4.07	0.01	0.37	27.2	21.6	25.0	26.4
1300	4.09	4.09	0.01	0.39	25.8	21.1	25.0	26.4
1350	4.11	4.12	0.01	0.41	24.7	20.7	25.0	26.4
1400	4.14	4.15	0.01	0.42	23.9	20.5	25.0	26.5
1450	4.17	4.18	0.01	0.45	23.3	20.5	25.0	26.6
1500	4.19	4.21	0.01	0.46	22.9	20.5	25.2	26.8
1550	4.22	4.23	0.01	0.48	22.6	20.6	25.3	27.0
1600	4.25	4.26	0.01	0.48	22.5	20.8	25.3	27.1
1650	4.27	4.29	0.01	0.50	22.4	21.1	25.4	27.1
1700	4.30	4.31	0.01	0.50	22.4	21.2	25.3	27.0
1750	4.32	4.34	0.01	0.52	22.5	21.3	25.1	26.8
1800	4.35	4.36	0.01	0.53	22.6	21.3	24.7	26.4
1850	4.38	4.39	0.02	0.54	22.8	21.1	24.3	25.8
1900	4.40	4.42	0.02	0.57	22.9	20.6	23.7	25.1
1950	4.43	4.44	0.01	0.56	23.0	20.1	23.1	24.4
2000	4.46	4.48	0.01	0.59	23.0	19.4	22.4	23.6
2050	4.49	4.51	0.01	0.60	23.0	18.7	21.8	22.9
2100	4.52	4.54	0.02	0.62	22.9	18.1	21.2	22.2
2150	4.55	4.56	0.01	0.66	22.7	17.6	20.6	21.6
2200	4.58	4.59	0.02	0.67	22.5	17.1	20.2	21.0
2250	4.61	4.63	0.01	0.69	22.1	16.7	19.8	20.6
2300	4.64	4.66	0.02	0.71	21.7	16.4	19.5	20.2
2350	4.67	4.68	0.02	0.73	21.2	16.3	19.3	19.9
2400	4.69	4.71	0.02	0.76	20.7	16.2	19.2	19.6
2450	4.71	4.74	0.02	0.78	20.1	16.3	19.2	19.5
2500	4.73	4.76	0.02	0.81	19.4	16.4	19.2	19.3
2550	4.75	4.78	0.03	0.82	18.7	16.8	19.3	19.2
2600	4.77	4.80	0.03	0.83	18.0	17.3	19.4	19.1

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)
400	3.82	3.83	0.01	0.08	10.1	13.1	18.7	18.6
450	3.81	3.82	0.01	0.10	10.9	13.6	19.6	19.5
500	3.80	3.81	0.01	0.08	11.9	14.3	20.4	20.3
550	3.78	3.79	0.01	0.10	12.8	15.1	21.1	21.1
600	3.77	3.78	0.01	0.11	13.8	16.0	21.8	21.8
650	3.75	3.76	0.01	0.10	15.0	17.0	22.3	22.5
700	3.75	3.75	0.01	0.12	16.2	18.2	22.9	23.2
750	3.74	3.74	0.01	0.14	17.5	19.5	23.4	23.9
800	3.74	3.74	0.00	0.14	19.1	21.0	23.8	24.6
850	3.74	3.75	0.00	0.17	20.8	22.7	24.3	25.2
900	3.75	3.76	0.00	0.18	22.9	24.3	24.7	25.7
950	3.77	3.77	0.01	0.18	25.4	25.7	25.1	26.1
1000	3.78	3.79	0.01	0.18	28.4	26.4	25.4	26.5
1050	3.80	3.80	0.01	0.19	31.8	26.1	25.4	26.7
1100	3.82	3.83	0.00	0.21	33.5	25.0	25.5	26.8
1150	3.84	3.85	0.00	0.20	31.8	23.9	25.4	26.9
1200	3.87	3.87	0.00	0.23	29.3	22.8	25.2	26.8
1250	3.90	3.90	0.00	0.24	27.2	21.9	25.1	26.8
1300	3.92	3.92	0.00	0.26	25.7	21.2	25.0	26.7
1350	3.95	3.95	0.00	0.27	24.6	20.8	25.0	26.7
1400	3.97	3.98	0.00	0.28	23.8	20.5	25.0	26.7
1450	4.00	4.00	0.00	0.30	23.2	20.4	25.0	26.8
1500	4.02	4.03	0.01	0.30	22.8	20.3	25.1	26.9
1550	4.04	4.05	0.01	0.32	22.5	20.3	25.2	27.1
1600	4.07	4.07	0.01	0.32	22.4	20.4	25.2	27.3
1650	4.09	4.10	0.01	0.33	22.3	20.5	25.2	27.3
1700	4.11	4.12	0.01	0.33	22.4	20.7	25.2	27.3
1750	4.14	4.15	0.01	0.35	22.5	20.7	24.9	27.1
1800	4.16	4.17	0.01	0.35	22.7	20.8	24.7	26.7
1850	4.19	4.20	0.01	0.36	22.9	20.6	24.3	26.2
1900	4.21	4.22	0.01	0.38	23.1	20.3	23.7	25.4
1950	4.23	4.24	0.01	0.37	23.2	19.8	23.1	24.7
2000	4.26	4.27	0.01	0.38	23.2	19.2	22.4	23.8
2050	4.29	4.30	0.01	0.39	23.2	18.5	21.7	23.0
2100	4.31	4.32	0.01	0.40	23.1	18.0	21.1	22.2
2150	4.34	4.35	0.01	0.42	22.9	17.4	20.5	21.6
2200	4.37	4.37	0.01	0.42	22.7	17.0	20.0	21.0
2250	4.40	4.41	0.01	0.44	22.3	16.6	19.6	20.5
2300	4.43	4.43	0.01	0.45	21.9	16.3	19.2	20.1
2350	4.46	4.46	0.00	0.46	21.4	16.1	19.0	19.7
2400	4.49	4.49	0.01	0.50	20.8	16.0	18.8	19.4
2450	4.51	4.51	0.01	0.52	20.2	16.1	18.7	19.2
2500	4.53	4.54	0.01	0.55	19.6	16.2	18.7	19.0
2550	4.54	4.55	0.02	0.56	18.9	16.5	18.8	18.9
2600	4.55	4.57	0.02	0.56	18.2	17.0	19.0	18.8

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)
400	3.99	3.99	0.01	0.20	10.1	13.8	19.5	19.4
450	3.97	3.98	0.01	0.23	11.0	14.4	20.3	20.1
500	3.97	3.97	0.01	0.22	11.9	15.1	20.9	20.8
550	3.96	3.96	0.01	0.25	12.9	16.0	21.5	21.4
600	3.94	3.95	0.01	0.27	13.9	16.9	22.1	22.0
650	3.94	3.95	0.01	0.28	15.0	18.0	22.6	22.6
700	3.93	3.94	0.01	0.31	16.1	19.2	23.2	23.2
750	3.93	3.94	0.01	0.33	17.5	20.6	23.7	23.7
800	3.94	3.95	0.01	0.35	19.0	22.2	24.2	24.3
850	3.94	3.96	0.01	0.37	20.7	24.0	24.7	24.7
900	3.96	3.97	0.01	0.38	22.6	25.5	25.2	25.2
950	3.98	3.99	0.02	0.38	24.9	26.6	25.6	25.5
1000	4.00	4.01	0.01	0.39	27.6	26.6	25.9	25.9
1050	4.02	4.03	0.01	0.40	30.2	25.9	26.1	26.1
1100	4.04	4.05	0.01	0.42	31.8	24.7	26.3	26.3
1150	4.07	4.09	0.01	0.42	31.0	23.6	26.4	26.4
1200	4.10	4.11	0.01	0.44	29.1	22.6	26.4	26.4
1250	4.13	4.14	0.01	0.45	27.3	21.9	26.4	26.4
1300	4.16	4.17	0.01	0.47	25.9	21.3	26.3	26.3
1350	4.19	4.20	0.01	0.49	24.8	20.9	26.3	26.4
1400	4.22	4.23	0.01	0.51	24.0	20.7	26.2	26.4
1450	4.25	4.26	0.01	0.54	23.3	20.6	26.2	26.4
1500	4.28	4.29	0.01	0.56	22.9	20.6	26.2	26.5
1550	4.31	4.32	0.01	0.58	22.6	20.7	26.3	26.5
1600	4.33	4.35	0.01	0.60	22.4	20.9	26.3	26.6
1650	4.36	4.37	0.01	0.62	22.3	21.2	26.3	26.5
1700	4.39	4.40	0.01	0.63	22.3	21.4	26.2	26.4
1750	4.41	4.43	0.01	0.66	22.4	21.6	26.0	26.2
1800	4.45	4.46	0.01	0.67	22.6	21.7	25.8	25.9
1850	4.47	4.49	0.02	0.69	22.7	21.6	25.4	25.4
1900	4.50	4.52	0.02	0.71	22.9	21.3	24.9	24.9
1950	4.53	4.54	0.01	0.71	23.0	20.8	24.3	24.3
2000	4.55	4.57	0.02	0.74	23.1	20.3	23.6	23.6
2050	4.59	4.60	0.02	0.76	23.1	19.6	23.0	23.0
2100	4.62	4.63	0.02	0.77	23.0	19.0	22.4	22.3
2150	4.64	4.66	0.02	0.81	22.8	18.4	21.8	21.8
2200	4.68	4.69	0.02	0.82	22.5	17.9	21.3	21.3
2250	4.71	4.72	0.02	0.84	22.1	17.5	20.8	20.8
2300	4.74	4.76	0.02	0.86	21.7	17.1	20.3	20.5
2350	4.77	4.79	0.02	0.88	21.1	16.9	20.0	20.1
2400	4.80	4.82	0.02	0.90	20.5	16.7	19.7	19.9
2450	4.83	4.85	0.02	0.94	19.8	16.7	19.5	19.6
2500	4.86	4.88	0.02	0.96	19.1	16.7	19.3	19.5
2550	4.88	4.90	0.02	0.97	18.4	16.9	19.2	19.3
2600	4.91	4.92	0.02	0.99	17.7	17.2	19.1	19.2

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