

Typical Performance Data

**NOTE: Use PDF Bookmarks to view DATA at required conditions
or to view GRAPHS.**

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: I = 101mA, Vd = 5V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise* Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
2600	8.60	26.91	2.75	4.70	1.75	0.54	20.32	9.33	2.46
2700	9.36	25.52	3.30	5.13	1.63	0.53	20.78	9.75	2.19
2800	10.06	24.25	4.06	5.73	1.55	0.52	21.03	10.38	1.75
2900	10.68	23.06	5.04	6.54	1.49	0.50	21.47	10.56	1.48
3000	11.19	22.01	6.37	7.63	1.45	0.49	21.90	11.06	1.37
3100	11.57	21.12	8.15	9.08	1.42	0.47	22.24	11.51	1.03
3200	11.81	20.38	10.55	10.97	1.39	0.46	22.78	11.67	0.87
3300	11.90	19.82	13.84	13.44	1.38	0.44	23.32	11.69	1.03
3350	11.89	19.60	15.80	14.95	1.38	0.44	23.43	11.45	0.89
3380	11.87	19.49	17.07	15.98	1.38	0.44	23.59	11.72	0.98
3400	11.86	19.42	17.96	16.72	1.38	0.43	23.62	11.53	1.00
3410	11.85	19.38	18.40	17.11	1.37	0.43	23.67	11.57	0.93
3420	11.84	19.35	18.82	17.52	1.37	0.43	23.59	11.61	0.88
3430	11.81	19.32	19.11	17.93	1.37	0.43	23.71	11.55	0.87
3440	11.80	19.30	19.48	18.37	1.38	0.43	23.75	11.48	0.82
3450	11.79	19.27	19.77	18.81	1.38	0.43	23.78	11.42	0.81
3460	11.77	19.24	20.01	19.27	1.37	0.43	23.72	11.49	0.89
3470	11.75	19.22	20.19	19.76	1.38	0.43	23.81	11.41	0.99
3480	11.73	19.19	20.29	20.23	1.37	0.43	23.86	11.34	0.86
3490	11.72	19.17	20.38	20.76	1.37	0.43	23.85	11.42	0.97
3500	11.69	19.14	20.31	21.31	1.38	0.43	23.91	11.55	0.88
3510	11.66	19.13	20.12	21.91	1.38	0.43	23.99	11.61	0.78
3520	11.64	19.11	20.04	22.49	1.38	0.43	24.03	11.56	0.83
3530	11.61	19.09	19.75	23.08	1.38	0.43	23.85	11.46	0.85
3540	11.59	19.07	19.52	23.74	1.38	0.42	23.92	11.33	0.87
3550	11.57	19.05	19.18	24.37	1.38	0.42	23.84	11.31	0.95
3560	11.54	19.03	18.88	25.03	1.38	0.42	24.00	11.23	0.97
3570	11.51	19.02	18.57	25.74	1.38	0.42	24.10	11.21	1.00
3580	11.48	19.00	18.24	26.45	1.38	0.42	23.89	11.26	0.90
3590	11.44	18.99	17.83	27.12	1.38	0.42	23.90	11.41	0.91
3600	11.41	18.98	17.53	27.81	1.38	0.42	23.80	11.47	0.92
3700	11.06	18.89	14.42	28.37	1.40	0.41	23.92	11.02	0.93
3800	10.67	18.88	12.24	23.52	1.41	0.40	23.91	10.66	1.00
3900	10.26	18.92	10.61	20.43	1.44	0.40	23.28	10.48	0.92
4000	9.84	18.99	9.45	18.61	1.46	0.39	22.94	10.19	0.96
4100	9.43	19.08	8.54	17.44	1.49	0.38	22.84	9.74	1.12
4200	9.01	19.16	7.83	16.80	1.53	0.37	22.66	9.45	1.12
4300	8.58	19.26	7.27	16.39	1.56	0.35	22.63	9.22	1.14
4400	8.16	19.33	6.83	16.24	1.60	0.34	22.71	9.07	1.43

*The Noise Figure measurement preformed in shielded box.

REV. X2
TAMP-362LN+
110313
Page 1 of 3



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see



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: I = 102mA, Vd = 5V @Temperature = -40degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)
2600	9.11	26.90	2.14	4.41	1.49	0.60	21.90	9.77
2700	9.87	25.44	2.67	4.86	1.43	0.59	21.95	10.11
2800	10.57	24.10	3.45	5.54	1.40	0.56	22.18	10.59
2900	11.19	22.96	4.45	6.47	1.37	0.54	22.57	10.79
3000	11.72	21.94	5.79	7.56	1.35	0.52	23.15	11.29
3100	12.09	21.00	7.60	9.11	1.34	0.50	23.71	11.70
3200	12.30	20.29	9.99	11.08	1.33	0.49	24.46	11.84
3300	12.37	19.73	13.32	13.77	1.32	0.47	25.00	11.76
3350	12.35	19.54	15.21	15.17	1.32	0.47	25.09	11.61
3360	12.33	19.54	15.68	15.63	1.33	0.46	25.33	11.70
3370	12.34	19.49	16.19	16.10	1.33	0.46	25.16	11.82
3380	12.32	19.43	16.63	16.40	1.33	0.46	25.10	11.81
3400	12.30	19.37	17.62	17.36	1.33	0.46	25.22	11.59
3410	12.31	19.29	18.15	17.49	1.32	0.46	25.24	11.67
3420	12.23	19.37	18.24	18.27	1.34	0.45	25.19	11.73
3430	12.24	19.33	18.87	18.97	1.33	0.45	25.23	11.67
3440	12.26	19.24	19.51	19.12	1.32	0.46	25.41	11.64
3450	12.26	19.20	19.91	19.50	1.32	0.46	25.83	11.64
3460	12.27	19.10	20.43	19.39	1.31	0.46	25.58	11.68
3470	12.19	19.15	20.32	20.09	1.33	0.46	25.53	11.59
3480	12.15	19.19	20.18	20.99	1.33	0.45	25.74	11.56
3490	12.15	19.20	20.34	21.78	1.34	0.45	25.85	11.59
3500	12.14	19.12	20.51	22.09	1.33	0.45	25.91	11.64
3510	12.10	19.12	20.21	22.87	1.33	0.45	25.67	11.65
3520	12.11	19.09	20.26	23.34	1.33	0.45	25.95	11.58
3530	12.07	19.07	20.07	24.15	1.33	0.45	26.23	11.57
3540	12.06	19.06	19.85	24.73	1.33	0.45	25.95	11.50
3550	12.01	19.07	19.40	25.69	1.34	0.45	25.86	11.50
3560	12.03	19.02	19.07	25.60	1.33	0.45	25.84	11.44
3570	12.03	18.96	18.86	25.58	1.32	0.45	25.93	11.46
3580	11.97	18.86	18.91	25.85	1.32	0.46	25.56	11.46
3590	11.91	18.91	18.29	27.01	1.33	0.45	25.79	11.60
3600	11.88	18.97	17.72	28.24	1.33	0.45	25.67	11.59
3700	11.49	18.80	14.77	28.74	1.34	0.44	25.75	11.27
3800	11.28	18.93	11.89	22.21	1.35	0.43	25.18	11.07
3900	10.82	18.78	10.66	20.49	1.36	0.43	25.38	11.00
4000	10.36	18.51	9.74	20.19	1.36	0.42	24.60	10.77
4100	10.03	18.70	8.75	18.73	1.38	0.41	24.66	10.41
4200	9.65	18.61	7.91	18.21	1.37	0.40	23.75	9.93
4300	9.33	18.96	7.17	17.66	1.42	0.38	24.04	9.76
4400	8.89	18.85	6.89	17.65	1.44	0.37	24.49	9.56

REV. X2

TAMP-362LN+

110313

Page 2 of 3



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see



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: I = 99mA, Vd = 5V @Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)
2600	8.75	26.44	1.98	5.08	1.46	0.57	19.91	9.40
2700	9.49	25.18	2.53	5.49	1.43	0.56	20.33	9.83
2800	10.16	23.86	3.31	6.09	1.41	0.54	20.47	10.33
2900	10.74	22.75	4.31	6.88	1.40	0.52	20.82	10.66
3000	11.21	21.69	5.73	7.93	1.38	0.51	21.17	11.14
3100	11.52	20.80	7.68	9.41	1.38	0.48	21.45	11.41
3200	11.70	20.20	10.17	11.17	1.38	0.46	21.99	11.73
3300	11.81	19.60	14.02	13.32	1.37	0.45	22.47	11.65
3350	11.79	19.44	16.44	14.49	1.37	0.44	22.57	11.39
3360	11.77	19.39	17.03	14.76	1.37	0.44	22.67	11.46
3370	11.75	19.36	17.57	15.06	1.37	0.44	22.59	11.60
3380	11.73	19.37	18.14	15.45	1.38	0.43	22.73	11.66
3400	11.72	19.29	19.70	16.15	1.38	0.43	22.82	11.42
3410	11.72	19.23	20.49	16.38	1.37	0.43	22.76	11.43
3420	11.71	19.19	21.27	16.68	1.37	0.43	22.75	11.52
3430	11.67	19.19	21.72	17.07	1.38	0.43	22.90	11.50
3440	11.68	19.14	22.70	17.43	1.37	0.43	22.85	11.47
3450	11.67	19.06	23.44	17.60	1.37	0.43	22.99	11.42
3460	11.62	19.07	23.65	17.87	1.37	0.43	22.90	11.47
3470	11.62	19.04	24.15	18.39	1.37	0.43	22.91	11.42
3480	11.59	18.96	24.40	18.52	1.37	0.43	23.04	11.34
3490	11.54	18.97	24.15	18.93	1.37	0.43	23.06	11.31
3500	11.49	18.99	23.76	19.48	1.38	0.42	23.03	11.38
3510	11.46	19.02	22.99	20.20	1.39	0.42	23.09	11.47
3520	11.44	19.05	22.37	20.75	1.39	0.42	23.18	11.47
3530	11.41	19.05	21.63	21.39	1.39	0.41	23.13	11.44
3540	11.39	19.02	21.02	21.81	1.39	0.41	22.99	11.36
3550	11.38	19.03	20.23	22.44	1.39	0.41	23.08	11.31
3560	11.38	18.95	19.85	22.56	1.38	0.42	23.15	11.24
3570	11.33	18.92	19.42	22.99	1.39	0.42	23.21	11.18
3580	11.31	18.91	18.91	23.51	1.39	0.42	22.88	11.16
3590	11.26	18.88	18.50	23.88	1.39	0.41	23.07	11.30
3600	11.19	18.90	17.89	24.75	1.39	0.41	23.11	11.29
3700	10.90	18.82	13.76	28.27	1.39	0.41	22.77	10.99
3800	10.45	18.72	11.46	26.78	1.41	0.40	22.81	10.64
3900	10.11	18.76	9.57	22.37	1.41	0.39	22.77	10.44
4000	9.70	18.98	8.31	19.86	1.44	0.38	22.49	10.17
4100	9.27	18.87	7.35	18.90	1.43	0.38	22.36	9.84
4200	8.83	19.03	6.65	17.98	1.46	0.37	22.24	9.34
4300	8.45	19.25	5.98	17.13	1.48	0.36	22.19	9.10
4400	8.05	19.12	5.59	16.77	1.48	0.35	22.20	8.90

REV. X2
TAMP-362LN+
110313
Page 3 of 3



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

