

Amplifier

TAMP-362GLN+

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 = 100mA, Vd = 5V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	FREQ	IP3 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dB)	(MHz)	(dBm)
3300	20.24	42.43	17.17	23.09	5.93	0.07	15.99	0.99	3305	30.13
3310	20.27	42.83	17.13	22.88	5.98	0.06	16.06	0.99	3315	29.85
3320	20.30	42.35	16.93	22.42	6.03	0.07	16.05	0.99	3325	29.20
3330	20.28	42.63	16.64	22.30	5.90	0.07	16.09	1.00	3334	28.61
3340	20.26	42.25	16.87	21.87	5.76	0.07	16.08	1.00	3344	28.93
3350	20.28	42.30	16.88	21.68	5.80	0.07	16.04	0.99	3349	29.53
3360	20.28	42.00	16.66	21.94	5.64	0.07	16.03	0.99	3359	29.22
3370	20.22	42.99	17.16	22.04	5.43	0.06	16.03	0.99	3364	29.48
3380	20.28	42.65	16.90	21.44	5.21	0.06	16.05	0.98	3374	28.93
3390	20.27	42.85	17.21	21.16	5.20	0.06	16.01	0.98	3384	29.19
3400	20.32	42.61	17.20	20.26	5.18	0.06	15.98	0.98	3389	28.74
3410	20.35	42.50	17.17	20.14	5.27	0.06	15.93	0.97	3399	28.92
3415	20.35	42.32	17.16	20.10	5.29	0.07	15.94	0.97	3409	29.51
3420	20.35	42.49	17.21	19.92	5.35	0.06	15.95	0.97	3414	29.47
3425	20.35	41.97	17.22	19.86	5.32	0.07	16.01	0.97	3424	30.16
3430	20.36	42.34	17.33	19.83	5.30	0.07	16.02	0.97	3429	29.85
3435	20.38	42.25	17.38	19.61	5.27	0.07	16.07	0.97	3434	29.35
3440	20.40	42.10	17.28	19.46	5.24	0.07	16.11	0.96	3439	30.56
3445	20.40	41.97	17.21	19.45	5.16	0.07	16.20	0.96	3444	29.45
3450	20.41	41.84	17.16	19.25	5.08	0.07	16.26	0.97	3449	29.10
3455	20.41	41.28	17.04	19.00	5.08	0.08	16.28	0.97	3454	30.41
3460	20.40	41.26	16.99	19.10	5.09	0.08	16.25	0.97	3459	29.11
3465	20.39	41.00	17.02	19.31	5.17	0.08	16.17	0.97	3469	29.55
3470	20.37	41.21	17.10	19.52	5.26	0.08	16.11	0.97	3474	29.42
3475	20.37	41.31	17.18	19.46	5.34	0.08	16.02	0.98	3484	30.05
3480	20.39	41.60	17.35	19.14	5.42	0.07	15.97	0.98	3494	29.87
3485	20.42	41.21	17.47	18.85	5.41	0.08	15.92	0.97	3499	29.99
3490	20.45	41.17	17.48	18.87	5.40	0.08	15.91	0.98	3504	29.52
3500	20.50	41.19	17.39	18.74	5.39	0.08	16.00	0.99	3514	29.87
3510	20.52	40.27	16.76	18.70	5.45	0.09	16.20	0.99	3523	30.21
3520	20.46	40.36	16.69	19.22	5.50	0.09	16.35	1.00	3533	29.54
3530	20.41	40.42	16.77	19.64	5.30	0.08	16.33	1.00	3543	30.78
3540	20.43	41.28	17.09	19.29	5.41	0.08	16.24	1.00	3548	29.81
3550	20.49	41.94	17.63	18.37	5.46	0.07	16.16	1.00	3558	30.01
3560	20.56	41.92	17.85	17.92	5.34	0.07	16.12	1.01	3568	29.54
3570	20.58	41.63	17.68	18.09	5.11	0.07	16.20	1.01	3578	29.96
3580	20.57	41.64	17.81	18.03	4.87	0.07	16.27	1.02	3588	30.17
3590	20.69	42.05	18.02	16.94	4.91	0.07	16.31	1.02	3593	29.26
3600	20.70	41.25	17.79	16.79	4.95	0.08	16.32	1.02	3603	29.81

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Page 1 of 3



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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		1dB Comp. Output	Noise Figure	FREQ	IP3 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dB)	(MHz)	(dBm)
3300	20.66	42.64	15.45	25.94	5.00	0.07	15.88	0.80	3305	29.26
3310	20.67	42.95	15.51	24.89	4.91	0.07	15.93	0.80	3315	27.48
3320	20.67	42.42	15.76	23.72	4.82	0.07	15.91	0.79	3325	28.16
3330	20.71	41.66	15.49	22.96	4.82	0.08	15.94	0.79	3334	28.62
3340	20.71	41.36	15.24	23.14	4.83	0.08	15.94	0.79	3344	28.26
3350	20.65	41.79	15.49	23.46	4.64	0.08	15.91	0.79	3349	32.60
3360	20.70	42.52	15.62	22.84	4.63	0.07	15.90	0.79	3359	28.62
3370	20.75	41.81	15.32	21.95	4.78	0.07	15.87	0.78	3364	30.08
3380	20.71	41.27	14.95	21.93	4.84	0.08	15.89	0.78	3374	28.26
3390	20.65	41.34	15.05	22.60	4.77	0.08	15.86	0.78	3384	29.84
3400	20.62	41.25	15.16	22.24	4.69	0.08	15.84	0.78	3389	28.59
3410	20.58	41.73	15.42	22.78	4.56	0.08	15.82	0.78	3399	30.51
3415	20.58	42.58	15.62	22.33	4.43	0.07	15.82	0.77	3409	28.46
3420	20.64	42.28	15.76	21.00	4.29	0.07	15.82	0.77	3414	28.79
3425	20.65	41.85	15.63	20.93	4.36	0.07	15.89	0.77	3424	30.18
3430	20.62	41.53	15.60	21.20	4.44	0.08	15.91	0.78	3429	28.96
3435	20.59	42.38	16.07	21.08	4.51	0.07	15.96	0.77	3434	28.66
3440	20.70	43.13	16.60	19.74	4.58	0.06	15.97	0.77	3439	30.46
3445	20.79	41.98	16.56	18.85	4.74	0.07	16.05	0.77	3444	28.73
3450	20.87	40.49	15.91	18.84	4.89	0.09	16.09	0.77	3449	30.10
3455	20.85	40.58	15.41	19.60	5.14	0.09	16.10	0.77	3454	29.61
3460	20.80	40.80	15.16	19.68	5.39	0.08	16.09	0.78	3459	28.97
3465	20.74	40.73	15.17	19.62	5.55	0.08	16.01	0.78	3469	29.00
3470	20.71	40.63	15.31	19.75	5.70	0.08	15.95	0.79	3474	29.21
3475	20.69	40.57	15.39	19.93	5.86	0.08	15.87	0.79	3484	29.22
3480	20.68	40.96	15.73	20.22	6.01	0.08	15.81	0.79	3494	28.96
3485	20.73	41.69	16.08	19.51	6.33	0.07	15.77	0.79	3499	29.94
3490	20.78	41.10	15.87	18.91	6.66	0.08	15.76	0.79	3504	29.41
3500	20.72	40.06	15.75	19.17	6.98	0.09	15.89	0.80	3514	29.58
3510	20.73	40.14	16.23	19.69	6.19	0.09	16.09	0.80	3523	28.58
3520	20.75	40.90	16.39	20.01	5.40	0.08	16.23	0.80	3533	28.03
3530	20.84	41.47	16.48	18.89	5.71	0.08	16.19	0.81	3543	28.92
3540	20.87	41.06	16.49	18.66	6.01	0.08	16.10	0.80	3548	30.08
3550	20.87	41.08	16.36	18.16	5.55	0.08	16.02	0.80	3558	29.98
3560	20.88	40.88	16.49	18.19	5.24	0.08	15.96	0.80	3568	28.52
3570	20.90	40.77	16.51	18.11	4.95	0.08	16.05	0.80	3578	28.56
3580	20.91	40.99	16.68	17.86	4.66	0.08	16.15	0.80	3588	30.43
3590	20.97	41.13	16.93	17.47	4.28	0.08	16.15	0.79	3593	30.57
3600	21.01	41.08	16.88	16.82	3.90	0.08	16.16	0.79	3603	29.76

Amplifier

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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		1dB Comp. Output	Noise Figure	FREQ	IP3 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dB)	(MHz)	(dBm)
3300	19.68	42.09	14.64	23.40	6.06	0.07	16.05	1.25	3305	28.17
3310	19.75	41.76	14.78	21.71	6.11	0.07	16.12	1.25	3315	28.16
3320	19.77	41.24	14.28	21.33	6.16	0.07	16.18	1.24	3325	27.77
3330	19.72	41.11	14.46	21.49	5.79	0.07	16.23	1.25	3334	28.55
3340	19.74	40.90	14.55	20.80	5.41	0.07	16.20	1.25	3344	29.09
3350	19.75	40.03	14.24	20.73	5.48	0.08	16.13	1.26	3349	28.16
3360	19.73	40.29	14.28	21.29	5.64	0.08	16.13	1.26	3359	29.04
3370	19.70	41.16	14.47	21.76	5.70	0.07	16.14	1.25	3364	28.94
3380	19.72	41.50	14.50	21.29	5.76	0.07	16.18	1.25	3374	28.24
3390	19.71	41.55	14.49	20.98	5.68	0.07	16.17	1.25	3384	28.88
3400	19.76	41.47	14.76	20.12	5.60	0.07	16.14	1.25	3389	29.43
3410	19.77	40.88	14.59	20.19	5.61	0.07	16.09	1.24	3399	28.58
3415	19.75	41.18	14.64	20.33	5.62	0.07	16.10	1.24	3409	29.16
3420	19.75	41.10	14.79	20.40	5.63	0.07	16.08	1.24	3414	29.13
3425	19.75	41.38	14.84	20.41	5.53	0.07	16.13	1.23	3424	29.21
3430	19.77	41.67	14.97	20.27	5.43	0.06	16.14	1.23	3429	30.17
3435	19.80	41.66	14.91	19.83	5.33	0.06	16.19	1.23	3434	29.66
3440	19.79	40.80	14.72	19.57	5.23	0.07	16.22	1.23	3439	28.99
3445	19.74	40.89	14.59	19.76	5.27	0.07	16.33	1.22	3444	28.50
3450	19.70	40.90	14.70	20.05	5.30	0.07	16.37	1.22	3449	29.41
3455	19.70	41.39	15.05	20.02	5.60	0.07	16.39	1.22	3454	29.16
3460	19.75	41.89	15.34	19.68	5.89	0.06	16.38	1.23	3459	29.50
3465	19.80	41.79	15.52	19.47	5.93	0.06	16.30	1.23	3469	28.66
3470	19.82	42.12	15.52	19.49	5.97	0.06	16.26	1.23	3474	29.07
3475	19.85	42.48	15.55	19.02	6.00	0.06	16.18	1.23	3484	30.00
3480	19.88	42.09	15.49	18.43	6.04	0.06	16.11	1.23	3494	31.25
3485	19.88	41.49	15.36	18.31	5.88	0.06	16.08	1.24	3499	29.10
3490	19.86	41.28	15.20	18.36	5.72	0.07	16.08	1.24	3504	28.17
3500	19.84	41.07	15.31	18.66	5.57	0.07	16.14	1.25	3514	29.20
3510	19.89	41.96	15.70	18.58	5.76	0.06	16.29	1.26	3523	29.20
3520	19.94	42.43	15.69	17.52	5.95	0.05	16.41	1.26	3533	29.46
3530	19.93	40.96	15.51	17.17	5.79	0.07	16.41	1.27	3543	29.29
3540	19.93	41.09	15.78	17.25	5.63	0.07	16.34	1.27	3548	29.31
3550	20.09	41.35	16.50	16.39	5.60	0.06	16.26	1.27	3558	29.57
3560	20.17	41.35	16.16	16.11	5.61	0.06	16.26	1.28	3568	29.34
3570	20.12	41.03	15.72	16.10	5.27	0.07	16.35	1.28	3578	29.46
3580	20.12	41.16	16.11	15.96	4.93	0.07	16.41	1.27	3588	30.28
3590	20.18	40.48	15.94	15.43	4.71	0.07	16.43	1.27	3593	30.04
3600	20.14	39.31	15.40	15.89	4.49	0.09	16.47	1.27	3603	28.86

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Page 3 of 3



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