

Typical Performance Data

TEST CONDITIONS: $V_S = +28\text{ V}$, 50 Ohm System, Fixed $P_{OUT} = 47\text{ dBm}$ (50W) @ Temperature = $+25^\circ\text{C}$

Frequency	Gain	Gain Compression	Efficiency	Input VSWR	FWD_AOUT
(MHz)	(dB)	(dB)	(%)	:1	(V)
2400	51.51	0.928	43.022	1.54	2.87
2410	51.48	0.797	43.326	1.55	2.88
2420	51.51	0.703	43.867	1.56	2.87
2430	51.50	0.646	44.169	1.58	2.87
2440	51.46	0.599	44.198	1.58	2.88
2450	51.36	0.575	44.163	1.60	2.87
2460	51.32	0.519	44.146	1.61	2.88
2470	51.24	0.492	43.755	1.62	2.89
2480	51.30	0.331	43.484	1.62	2.90
2490	51.40	0.112	43.293	1.63	2.90
2500	51.17	0.137	42.811	1.64	2.91

Typical Performance Data

TEST CONDITIONS: $V_S = +28\text{ V}$, 50 Ohm System, Fixed $P_{OUT} = 47\text{ dBm}$ (50W) @ Temperature = $+65^\circ\text{C}$

Frequency	Gain	Gain Compression	Efficiency	Input VSWR	FWD_AOUT
(MHz)	(dB)	(dB)	(%)	:1	(V)
2400	49.15	1.04	39.24	1.54	2.88
2410	49.15	0.94	39.59	1.56	2.88
2420	49.20	0.85	40.18	1.57	2.88
2430	49.19	0.81	40.48	1.58	2.88
2440	49.17	0.74	40.62	1.60	2.88
2450	49.12	0.71	40.60	1.60	2.89
2460	49.08	0.68	40.59	1.61	2.89
2470	49.04	0.63	40.29	1.62	2.89
2480	49.11	0.49	39.90	1.63	2.90
2490	49.08	0.50	39.64	1.63	2.91
2500	48.86	0.55	39.25	1.62	2.91

Typical Performance Data

TEST CONDITIONS: $V_S = +28$ V, 50 Ohm System, Frequency 2.45 GHz @ Temperature = +25°C

Pin	Pout	Pout	Gain (dB)	Efficiency (%)	FWD_AOUT (V)
(dBm)	(dBm)	(W)	(dB)	(%)	(V)
-21	30.12	1.03	51.12	10.10	1.75
-20.5	30.68	1.17	51.18	10.98	1.79
-20	31.24	1.33	51.24	11.93	1.83
-19.5	31.79	1.51	51.29	12.93	1.86
-19	32.32	1.71	51.32	14.17	1.90
-18.5	32.88	1.94	51.38	15.35	1.93
-18	33.43	2.20	51.43	16.37	1.97
-17.5	34.00	2.51	51.50	17.66	2.01
-17	34.56	2.86	51.56	18.98	2.04
-16.5	35.11	3.25	51.61	20.40	2.07
-16	35.67	3.69	51.67	22.21	2.11
-15.5	36.25	4.22	51.75	23.99	2.15
-15	36.82	4.81	51.82	25.56	2.19
-14.5	37.39	5.48	51.89	27.47	2.22
-14	37.94	6.22	51.94	29.37	2.26
-13.5	38.50	7.08	52.00	31.73	2.30
-13	39.05	8.04	52.05	33.82	2.33
-12.5	39.60	9.12	52.10	35.93	2.37
-12	40.13	10.29	52.13	38.41	2.41
-11.5	40.64	11.58	52.14	40.63	2.44
-11	41.13	12.97	52.13	42.84	2.47
-10.5	41.60	14.44	52.10	44.92	2.50
-10	42.04	16.00	52.04	46.55	2.54
-9.5	42.45	17.59	51.95	47.78	2.57
-9	42.85	19.26	51.85	48.56	2.59
-8.5	43.25	21.14	51.75	48.48	2.61
-8	43.68	23.33	51.68	47.87	2.65
-7.5	44.14	25.92	51.64	47.09	2.68
-7	44.62	28.99	51.62	46.18	2.71
-6.5	45.13	32.60	51.63	45.31	2.75
-6	45.64	36.67	51.64	44.88	2.79
-5.5	46.17	41.37	51.67	44.48	2.82
-5	46.64	46.17	51.64	44.30	2.86
-4.5	47.05	50.72	51.55	44.14	2.88

Typical Performance Data

TEST CONDITIONS: $V_S = +28\text{ V}$, 50 Ohm System, Frequency 2.45 GHz, @ Temperature = +65°C

Pin	Pout	Pout	Gain (dB)	Efficiency (%)	FWD_AOUT (V)
(dBm)	(dB)	(W)	(dB)	(%)	(V)
-21	28.31	0.68	49.31	7.44	1.65
-20.5	28.84	0.77	49.34	8.00	1.68
-20	29.36	0.86	49.36	8.67	1.72
-19.5	29.88	0.97	49.38	9.60	1.74
-19	30.39	1.10	49.39	10.16	1.78
-18.5	30.93	1.24	49.43	11.31	1.81
-18	31.45	1.40	49.45	12.13	1.85
-17.5	31.98	1.58	49.48	13.00	1.88
-17	32.51	1.78	49.51	14.13	1.91
-16.5	33.04	2.02	49.54	15.19	1.95
-16	33.57	2.28	49.57	16.37	1.99
-15.5	34.12	2.58	49.62	17.50	2.02
-15	34.66	2.93	49.66	18.78	2.05
-14.5	35.21	3.32	49.71	20.30	2.08
-14	35.74	3.75	49.74	21.91	2.12
-13.5	36.29	4.25	49.79	23.54	2.15
-13	36.83	4.82	49.83	25.06	2.19
-12.5	37.38	5.47	49.88	26.90	2.23
-12	37.91	6.18	49.91	28.76	2.26
-11.5	38.45	7.00	49.95	30.67	2.30
-11	38.98	7.90	49.98	32.71	2.33
-10.5	39.51	8.93	50.01	34.61	2.37
-10	40.04	10.09	50.04	36.70	2.41
-9.5	40.54	11.32	50.04	38.55	2.44
-9	41.02	12.65	50.02	40.38	2.47
-8.5	41.50	14.12	50.00	41.91	2.50
-8	41.96	15.70	49.96	42.88	2.54
-7.5	42.42	17.47	49.92	43.43	2.57
-7	42.88	19.40	49.88	43.63	2.59
-6.5	43.35	21.62	49.85	43.43	2.63
-6	43.82	24.12	49.82	42.88	2.66
-5.5	44.32	27.02	49.82	42.51	2.70
-5	44.82	30.32	49.82	42.00	2.73
-4.5	45.30	33.87	49.80	41.71	2.76
-4	45.75	37.62	49.75	41.47	2.79
-3.5	46.18	41.48	49.68	41.26	2.83
-3	46.56	45.25	49.56	41.03	2.86
-2.5	46.89	48.83	49.39	40.72	2.88
-2	47.16	52.05	49.16	40.44	2.90