

High Power Amplifier

HPA-50W-63+

Typical Performance Data

Frequency (MHz)	Gain (dB)	Directivity (dB)	VSWR In (:1)	VSWR Out (:1)	Noise Figure (dB)	Pout at 1dB Compression (dBm)	Pout at Saturation (dBm)	Output IP3 (dBm)
700	54.01	44.52	1.83	1.41	13.31	40.52	46.64	44.73
800	56.58	34.98	1.89	1.26	12.62	42.25	48.11	46.81
900	57.97	32.54	1.75	1.21	12.93	43.52	48.91	49.40
1000	58.49	32.18	1.64	1.06	12.25	44.60	49.41	51.89
1200	57.88	31.88	1.38	1.09	11.89	41.55	49.31	52.82
1400	56.39	40.68	1.28	1.14	11.63	39.23	48.08	51.13
1600	53.58	38.04	1.27	1.21	11.38	38.89	46.80	50.25
1800	52.24	44.29	1.29	1.21	11.26	39.97	46.35	51.50
2000	52.46	38.92	1.30	1.11	11.25	41.83	46.97	52.84
2200	54.51	52.12	1.24	1.38	11.28	42.80	47.32	52.87
2400	55.38	46.26	1.25	1.14	11.24	44.07	47.48	54.42
2600	55.47	45.78	1.21	1.29	11.21	43.59	47.23	53.89
2800	53.28	42.30	1.12	1.74	11.08	42.87	46.58	54.97
3000	52.58	46.53	1.15	1.93	10.96	43.18	46.26	50.49
3200	52.77	38.32	1.25	1.24	10.78	42.72	46.04	47.92
3400	52.81	41.07	1.41	1.53	10.65	41.39	45.79	49.65
3600	54.13	40.67	1.54	1.71	10.59	42.57	46.36	51.02
3800	54.34	47.07	1.87	1.26	10.39	42.81	46.42	51.23
4000	53.52	39.31	2.10	1.18	10.37	42.71	46.37	51.48
4200	54.59	31.81	2.24	1.33	10.79	42.45	46.29	50.93
4400	56.51	48.80	2.26	1.56	10.87	41.35	46.21	50.51
4600	55.78	37.32	2.15	1.12	10.85	40.56	46.20	50.00
4800	56.88	54.01	2.25	1.29	10.85	41.72	46.84	50.77
5000	57.42	46.47	2.22	1.77	10.95	42.20	46.58	50.04
5200	55.96	36.63	2.16	1.79	11.15	42.06	46.92	48.69
5400	54.36	40.52	2.12	1.36	11.51	41.87	46.53	48.74
5600	53.99	37.91	1.93	1.38	12.13	43.05	46.64	49.73
5800	52.61	37.80	1.76	1.60	13.42	42.55	45.80	48.18
6000	52.19	32.32	1.57	1.15	15.78	42.49	45.49	48.42



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IF/RF MICROWAVE COMPONENTS

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HPA-50W-63+
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