Rack Mount

Amplifier

HPA-0M51G02W5+

Typical Performance Data

Test Conditions: Temperature = +25°C.

Freq. (MHz)	Gain (dB)	Return Loss In (dB)	Return Loss Out (dB)	Noise Figure (dBm)	P1dB (dBm)	IP3 (dBm)
0.5	39.79	-11.10	-5.94	–	37.83	47.62
10	40.30	-37.07	-6.85	9.00	36.65	51.77
20	39.80	-35.40	-6.72	9.02	36.55	51.03
40	40.18	-26.28	-6.31	8.78	36.67	51.89
60	40.25	-22.68	-6.04	8.77	36.85	50.03
80	40.55	-20.27	-6.15	8.92	37.15	49.90
100	40.95	-18.50	-6.76	8.69	37.50	49.85
120	41.10	-17.35	-8.15	9.01	37.68	49.90
140	41.14	-15.69	-10.54	8.89	37.53	50.04
160	41.23	-15.11	-14.30	8.82	37.20	49.99
180	41.08	-14.66	-18.60	8.94	36.77	49.41
200	40.67	-14.03	-17.39	9.16	36.59	48.73
220	40.71	-13.66	-13.72	9.21	36.44	48.01
240	40.57	-13.61	-11.45	9.10	36.20	47.59
260	40.77	-13.32	-10.08	9.18	36.16	47.23
280	40.93	-13.37	-9.36	9.33	36.11	46.76
300	41.90	-13.67	-9.04	9.11	36.04	46.23
320	42.46	-13.66	-9.00	9.30	35.73	46.17
340	42.74	-14.03	-9.23	9.26	35.66	45.84
360	42.44	-13.81	-9.71	9.36	35.76	45.67
380	41.49	-13.46	-10.28	9.32	35.83	45.89
400	40.91	-13.44	-10.91	9.13	35.76	46.00
425	40.59	-13.49	-11.69	9.27	35.57	45.59
450	40.60	-13.29	-12.47	9.40	35.63	45.51
475	41.61	-13.55	-13.35	9.38	35.62	45.56
500	41.48	-13.44	-13.92	9.33	35.32	45.42
525	42.02	-14.07	-14.37	9.27	35.64	44.89
550	42.41	-14.53	-14.69	9.29	35.92	44.65
575	42.81	-15.27	-15.16	9.35	36.12	44.68
600	42.77	-16.06	-15.34	9.41	36.42	44.76
620	42.97	-15.36	-15.30	9.49	36.56	44.97
640	43.06	-14.92	-14.95	9.34	36.67	45.28
660	42.51	-14.00	-14.72	9.36	36.90	45.56
680	42.50	-13.95	-14.39	9.17	37.14	45.94
700	42.76	-14.36	-14.38	9.29	37.52	46.46
720	42.76	-14.74	-14.40	9.31	37.95	46.75
740	42.50	-16.09	-14.55	9.24	38.22	46.67
760	42.11	-16.81	-14.60	9.35	38.31	46.92
780	42.28	-16.60	-14.61	9.23	38.29	47.49
800	41.54	-15.84	-14.16	9.28	38.11	48.20
820	41.38	-15.71	-13.63	9.31	38.04	48.12
840	41.32	-15.68	-12.85	9.31	37.88	47.73
860	41.34	-15.90	-12.34	9.21	37.73	47.82
880	41.34	-16.98	-12.11	9.21	37.50	48.35
900	41.46	-18.38	-12.58	9.28	37.46	48.68
920	41.44	-19.72	-13.89	9.40	37.71	47.85
940	41.37	-20.01	-16.04	9.51	37.86	47.35
960	41.71	-20.54	-17.81	9.23	38.04	47.46
980	41.99	-21.59	-17.99	9.33	38.11	47.94
1000	42.50	-22.68	-21.25	9.27	37.03	48.02