

Amplifier

HELA-10A+

Typical Performance Data

FREQUENCY (MHz)	GAIN (dB) 12V	DIRECTIVITY (dB) 12V	VSWR IN (:1) 12V	VSWR OUT (:1) 12V	Output IP3 (dBm) 12V	NOISE FIGURE (dB) 12V	Pout at 1dB Comp. (dBm) 12V
25.0	11.42	5.45	1.40	1.25	47.32	4.97	29.62
50.0	11.53	5.35	1.22	1.12	50.41	3.40	29.95
75.0	11.55	5.35	1.17	1.09	51.35	3.11	30.06
100.0	11.55	5.34	1.15	1.07	48.17	2.99	30.11
200.0	11.48	5.55	1.13	1.10	47.74	2.97	30.32
300.0	11.39	5.79	1.10	1.16	47.94	3.02	30.59
400.0	11.37	5.94	1.10	1.16	51.73	3.08	30.74
500.0	11.36	6.13	1.15	1.08	51.38	3.15	30.80
600.0	11.32	6.48	1.18	1.08	52.30	3.27	30.57
700.0	11.21	6.85	1.15	1.19	50.93	3.35	30.09
800.0	10.97	7.45	1.05	1.23	51.14	3.48	29.58
900.0	10.87	7.85	1.16	1.27	49.68	3.61	29.26
1000.0	10.39	8.98	1.50	1.40	49.64	3.77	28.93

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Amplifier

HELA-10B+

Typical Performance Data

FREQUENCY (MHz)	GAIN (dB) 12V	DIRECTIVITY (dB) 12V	VSWR IN (:1) 12V	VSWR OUT (:1) 12V	Output IP3 (dBm) 12V	NOISE FIGURE (dB) 12V	Pout at 1dB Comp. (dBm) 12V
25.0	10.85	6.52	2.06	2.01	47.75	5.82	29.04
50.0	11.01	6.31	1.90	1.91	48.18	3.90	29.21
75.0	11.06	6.21	1.82	1.85	48.33	3.39	29.39
100.0	11.11	6.14	1.75	1.78	48.01	3.35	29.51
200.0	11.24	5.93	1.40	1.45	48.63	3.00	29.84
300.0	11.25	5.97	1.12	1.22	51.06	2.99	31.04
400.0	11.12	6.33	1.25	1.31	52.42	3.18	31.09
500.0	11.00	6.71	1.40	1.47	52.36	3.16	31.14
600.0	10.97	6.93	1.40	1.48	50.71	3.37	30.66
700.0	10.94	7.18	1.25	1.33	49.95	3.61	30.16
800.0	10.78	7.72	1.11	1.20	48.46	3.65	29.51
900.0	10.76	8.02	1.16	1.19	47.83	3.67	29.04
1000.0	10.66	8.53	1.23	1.24	47.03	3.77	28.41

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Amplifier

HELA-10C+

Typical Performance Data

FREQUENCY (MHz)	GAIN (dB) 12V	DIRECTIVITY (dB) 12V	VSWR IN (:1) 12V	VSWR OUT (:1) 12V	Output IP3 (dBm) 12V	NOISE FIGURE (dB) 12V	Pout at 1dB Comp. (dBm) 12V
3.0	9.75	3.91	3.13	1.97	47.17	-	28.66
4.0	10.67	3.62	2.50	1.59	48.48	-	29.07
5.0	11.06	3.79	2.14	1.42	48.90	-	29.59
6.0	11.26	3.99	1.93	1.33	49.49	-	29.70
7.0	11.37	4.21	1.80	1.27	50.24	-	29.84
8.0	11.44	4.35	1.70	1.24	49.99	-	29.96
9.0	11.48	4.49	1.63	1.21	51.10	-	30.07
10.0	11.50	4.62	1.58	1.19	50.49	9.12	30.23
100.0	11.38	5.65	1.37	1.13	47.90	3.12	30.57
200.0	11.12	6.11	1.41	1.12	47.48	3.17	30.44
300.0	10.92	6.57	1.42	1.11	46.65	3.28	30.16
400.0	10.73	6.91	1.41	1.25	49.23	3.47	30.27
425.0	10.65	7.09	1.43	1.32	49.49	3.54	30.18
450.0	10.51	7.26	1.47	1.38	50.05	3.60	30.16
475.0	10.38	7.57	1.54	1.47	52.52	3.65	30.14
500.0	10.25	7.81	1.64	1.56	49.34	3.73	30.11
525.0	10.10	8.15	1.76	1.66	49.48	3.85	30.11
550.0	9.95	8.43	1.90	1.74	49.42	3.91	30.08
575.0	9.79	8.87	2.07	1.83	50.70	4.06	29.99
600.0	9.63	9.28	2.28	1.91	50.22	4.16	29.93

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Amplifier

HELA-10D+

Typical Performance Data

FREQUENCY (MHz)	GAIN (dB) 12V	DIRECTIVITY (dB) 12V	VSWR IN (:1) 12V	VSWR OUT (:1) 12V	Output IP3 (dBm) 12V	NOISE FIGURE (dB) 12V	Pout at 1dB Comp. (dBm) 12V
8.0	11.02	5.35	1.61	1.17	49.55	9.45	30.33
9.0	11.08	5.42	1.53	1.14	50.52	9.45	30.47
10.0	11.12	5.47	1.46	1.12	50.32	9.45	30.64
20.0	11.23	5.76	1.20	1.04	54.14	5.71	30.67
40.0	11.20	5.96	1.09	1.02	49.97	3.90	30.66
60.0	11.15	6.08	1.07	1.04	50.12	3.33	30.60
80.0	11.11	6.18	1.09	1.07	50.40	3.34	30.56
100.0	11.06	6.27	1.12	1.11	50.12	3.31	30.43
120.0	11.02	6.37	1.17	1.16	50.40	3.16	30.35
140.0	10.97	6.48	1.22	1.21	52.09	3.29	30.29
160.0	10.91	6.59	1.28	1.27	51.37	3.28	30.25
180.0	10.85	6.73	1.35	1.34	51.53	3.23	30.28
200.0	10.77	6.89	1.43	1.42	50.23	3.39	30.48
220.0	10.68	7.09	1.52	1.50	51.43	3.47	30.46
240.0	10.58	7.31	1.61	1.59	53.43	3.40	30.45
260.0	10.45	7.58	1.71	1.70	53.36	3.57	30.37
280.0	10.33	7.84	1.81	1.80	52.58	3.72	30.42
300.0	10.21	8.10	1.93	1.90	50.64	3.67	30.32
400.0	9.43	9.74	2.46	2.44	52.58	3.97	30.04
450.0	9.07	10.54	2.68	2.65	52.11	4.01	29.79
500.0	8.76	11.22	2.84	2.78	51.68	4.18	29.46

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