

Hafler DH-220 pin voltages

		User Manual			Right (good)			Left (bad)		
	Device	Emitter	Base	Collector	Emitter	Base	Collector	Emitter	Base	Collector
Q1	2N5401	62.60	62.10	0.88	61.00	60.40	0.56	63.70	62.60	-0.70
Q2	2N5550	-62.60	-62.00	-0.37	-61.20	-60.60	-0.74	-63.30	-62.70	-1.28
Q3	2N5550	-0.32	0.22	61.80	-0.66	-0.08	60.20	-1.27	-0.69	64.30
Q4	2N5550	-0.32	0.22	61.80	-0.66	-0.08	60.20	-1.19	-0.58	61.00
Q5	2N5401	0.80	0.22	-62.00	0.80	-0.08	-60.40	-0.65	-0.69	-64.30
Q6	2N5401	0.80	0.22	-62.00	0.50	-0.08	-60.20	-0.64	-0.58	-64.30
Q7	2N5401	63.00	62.00	0.00	60.90	60.30	0.00	64.30	63.90	0.00
Q8	2N5415	63.00	62.00	1.54	62.10	61.60	1.38	64.20	64.30	0.00
Q9	NP2222	-1.27	-0.60	1.54	-1.40	-0.71	1.45	0.00	0.00	0.00
Q10	2N5550	-63.00	-62.00	0.00	-60.90	-60.20	0.00	-64.80	-64.10	0.00
Q11	2N3440	-63.00	-62.00	-1.35	-62.50	-62.10	-1.42	-64.10	-64.10	0.00
Q12	2N3440	1.00	1.54	65.00	0.81	1.38	64.20	0.01	0.00	64.30
Q13	2N5415	-0.80	-1.35	-65.00	-0.83	-1.42	-64.90	0.01	0.00	-65.10
		Source	Gate	Drain	Source	Gate	Drain	Source	Gate	Drain
Q401	2SK134	0.00	1.00	65.40	8 mV	0.82	63.70	-0.22	0.01	65.50
Q402	2SK134	0.00	1.00	65.40	8 mV	0.82	63.70	-0.22	0.01	65.50
Q403	2SJ49	0.00	-0.80	-65.40	8 mV	-0.83	-63.50	-0.22	0.01	-65.50
Q404	2SJ49	0.00	-0.80	-65.40	8 mV	-0.83	-63.50	-0.22	0.01	-65.50