

# 8. GERMANIUM PNP - HIGH POWER TRANSISTORS

IN ORDER OF (1) MIN. DERATING FACTOR  
& (2) TYPE No.

LINE No.	TYPE No.	MIN. DERATE J to C (W/C)	MAX FREE AIR @ 25°C (W)	M A E X M P	ABSOLUTE MAX. RATINGS @ 25°C					MAX. Vcb @ 25°C			hFE		f <sub>ae</sub> (Hz)	MAX. SAT. RES. (Ω)	tr (s)	STRUCTURE	DWG Y200 s/a TO200 Ser.	L C O A D E
					Ic (A)	Ib (A)	BVcbo (V)	BVebo (V)	BVceo (V)	Icbo (A)	Vcb (V)	Ic (A)	MIN	MAX						
1	2N2668	200m	15	#C	3.0	1.0	50	20	50	600u#	50	500m	50	150		400m			T27	A
2	2N2669	200m	15	#C	3.0	1.0	70	20	70	600u#	50	500m	50	150		400m			T27	A
3	2N2670	200m	15	#C	3.0	1.0	90	20	90	600u#	50	500m	50	150		400m			T27	A
4	2SB474	200m	12	#J	2.0		35	6.0	35	200u	1.5	200m	50	275	700k			A	F5c	A
5	AD136	200m	11	#J	10	2.0	40	10	22	50	5.0	30	100	300k			A	T08	A	
6	ADY10	200m	17	#J			32	16	30	30	50m	30	70	350k				T08	A	
7	ADY11	200m	17	#J	600m		60	16	45	30	50m	30	50	350k				T08	A	
8	ADY12	200m	17	#J	600m		32	16	30	30	50m	60	100	350k				T08	A	
9	ADY13	200m	17	#J	600m		60	16	45	30	50m	40	70	350k				T08	A	
10	ADY20	200m	17	#J	600m		60	16	45	30	50m	60	100	350k				T08	A	
11	AUY18	200m*	9.0	#J	8.0		64	20	45	5.0	5.0	30	100	300k			A	T08	A	
12	PTC194	200m	12	#J	2.0		35	6.0	35	250u	1.5	200m	100		700k			A	F5c	A
13	2SB627	217m	13	#J	10		40	14	12	0.0	2.0	80	#				A	T08	A	
14	355	222m	13	#J	1.5	1.0	35	35	20	1.0m	1.0	30					A	F9b	C	
15	AD162	222m	6.0	#J	3.0	100m	32	10	20	200u	1.0	50m	74	300	1.5M			A	F9b	C
16	2N2835	250m	16	#J	1.0	2.0	32	10	32	0.0	1.0	30					A	F9	A	
17	AD148	250m*	11	#J	3.5	400m	32	10	26	1.0	1.0	30	100	450k				A	F12	A
18	AD262	250m	10	#J	4.0	2.0	35	10	20	100u	2.0	1.5	30	325				A	F9a	A
19	AD263	250m	10	#J	4.0	2.0	60	10	40	100u	2.0	1.5	20	325				D	T03	C
20	AL112	250m	10	#J	6.0	1.0	130	2.0	60	10m	2.0	500m	200	200	3.0M			D	T03	C
21	AL113	250m	10	#J	6.0	1.0	100	1.5	40	10m	2.0	500m	200	200	3.0M			D	T03	C
22	2N1042-2A	263m	10	#J	3.0	1.0	40	20	30	650u	1.0	3.0	20	60	7.0k	250m		A	T28	A
23	HEPG6011-RT	266m	20	#J	3.0		60	20	40	200u	1.0	40	40		200k			A	T05	A
24	HEPG6012-RT	266m	20	#J	3.0		100	20	40	200u	1.0	40	40		200k			A	T05	A
25	2N1038	267m	20	#C	3.0	1.0	40	20	40	125u	1.0	1.0	20	60	2.2M	250m			R122	A
26	2N1039	267m	20	#C	3.0	1.0	60	20	60	125u	1.0	1.0	20	60	2.2M	250m			R122	A
27	2N1040	267m	20	#C	3.0	1.0	80	20	80	125u	1.0	1.0	20	60	2.2M	250m			R122	A
28	2N1041	267m	20	#C	3.0	1.0	100	20	100	125u	1.0	1.0	20	60	2.2M	250m			R122	A
29	2N1042	267m	20	#C	3.5	1.0	40	20	40	125u	1.0	3.0	20	60	250k	250m			T6	A
30	JAN2N1042	267m	20	#C	3.0		40	20	30	125u	1.0	3.0	20	60				A	T28	A
31	2N1043	267m	20	#C	3.5	1.0	60	20	60	125u	1.0	3.0	20	60	250k	250m			T6	A
32	JAN2N1043	267m	20	#C	3.0		60	20	40	125u	1.0	3.0	20	60				A	T28	A
33	2N1044	267m	20	#C	3.5	1.0	80	20	80	125u	1.0	3.0	20	60	250k	250m			T6	A
34	JAN2N1044	267m	20	#C	3.0		80	20	50	125u	1.0	3.0	20	60				A	T28	A
35	2N1045	267m	20	#C	3.5	1.0	100	20	100	125u	1.0	3.0	20	60	250k	250m			T6	A
36	JAN2N1045	267m	20	#C	3.0		100	20	60	125u	1.0	3.0	20	60				A	T28	A
37	2N2552	267m	20	#C	3.0	1.0	40	20	30	125u	1.0	1.0	20	60	250m	250m			T27	A
38	2N2553	267m	20	#C	3.0	1.0	60	20	40	125u	1.0	1.0	20	60	250m	250m			T27	A
39	2N2554	267m	20	#C	3.0	1.0	80	20	50	125u	1.0	1.0	20	60	250m	250m			T27	A
40	2N2555	267m	20	#C	3.0	1.0	100	20	60	125u	1.0	1.0	20	60	250m	250m			T27	A
41	2N2556	267m	20	#C	3.0	1.0	40	20	40	125u	1.0	1.0	20	60	250m	250m			T28	A
42	2N2557	267m	20	#C	3.0	1.0	60	20	40	125u	1.0	1.0	20	60	250m	250m			T28	A
43	2N2558	267m	20	#C	3.0	1.0	80	20	60	125u	1.0	1.0	20	60	250m	250m			T28	A
44	2N2559	267m	20	#C	3.0	1.0	100	20	60	125u	1.0	1.0	20	60	250m	250m			T27	A
45	2N2560	267m	20	#C	3.0	1.0	40	20	40	125u	1.0	3.0	20	60	250m	250m			T27	A
46	2N2561	267m	20	#C	3.0	1.0	60	20	50	125u	1.0	3.0	20	60	250m	250m			T27	A
47	2N2562	267m	20	#C	3.0	1.0	80	20	60	125u	1.0	3.0	20	60	250m	250m			T27	A
48	2N2563	267m	20	#C	3.0	1.0	100	20	60	125u	1.0	3.0	20	60	250m	250m			T27	A
49	2N2564	267m	20	#C	3.0	1.0	40	20	30	125u	1.0	3.0	20	60	250m	250m			R122	A
50	2N2565	267m	20	#C	3.0	1.0	60	20	40	125u	1.0	3.0	20	60	250m	250m			R122	A
51	2N2566	267m	20	#C	3.0	1.0	80	20	50	125u	1.0	3.0	20	60	250m	250m			R122	A
52	2N2567	267m	20	#C	3.5	1.0	100	20	60	125u	1.0	3.0	20	60	250m	250m			R122	A
53	T1159	267m	20	#J	3.0	1.0	40	20	40	650u	5.0	1.0	20	60	225k	250m		A	R101	F
54	T1160	267m	20	#J	3.0	1.0	60	20	40	650u	5.0	1.0	20	60	225k	250m		A	R101	F
55	T1161	267m	20	#J	3.0	1.0	80	20	50	650u	5.0	1.0	20	60	225k	250m		A	R101	F
56	T1162	267m	20	#J	3.0	1.0	100	20	60	650u	5.0	1.0	20	60	225k	250m		A	R101	F
57	JAN2N158	283m	17	#A	2.0		60	30	60	1.0m	2.0	1.0	13	40	4.0k	750m		A	R173a	F
58	2SB449	300m	22	#J	3.5	500m	50	20	50	3.0m	0.0	3.0	20	85	10k			A	T03	C
59	HSE800-RT	330m	25	#J			50	15	40	3.0m	2.0	500m	30		100k			A	T03	C
60	2N155	333m	1.5	#J	3.0	500m	30	15	15	1.0m	2.0	500m	32	40	180k	650m		A	T03	C
61	2N156	333m	1.5	#J	3.0		30	15	30	1.0m	2.0	500m	20		180k	600m		A	T013	D
62	2N157	333m	8.5	#J	3.0		60	30	30	1.0m	2.0	500m	20		100k	750m		A	T03	C
63	2N157A	333m	8.5	#J	3.0		60	30	30	1.0m	2.0	500m	20		100k	750m		A	T03	C
64	2N158	333m	1.5	#J	3.0	500m	60	30	60	1.0m	2.0	500m	21	36	180k	750m		A	T013	D
65	2N158A	333m		#J	3.0	500m	60	30	60	1.0m	2.0	500m	21	36	4.0k	750m		A	R173	B
66	2N242	333m	25	#J	2.0		15	15	15	5.0m					5.0k	800m		A	F5	C
67	2N255	333m	1.5	#J	3.0		45	15	45						200k			A	T03	C
68	2N255A	333m		#J	3.0	50	15	15	15	5.0m	2.0	50	30		125k			A	T03	C
69	2N256	333m	1.5	#J	3.0		30	15	30						200k			A	T03	C
70	2N256A	333m		#J	3.0	50	30	15	25	5.0m	2.0	50	30		125k	1.0		A	T03	C
71	2N298	333m	20	#J	2.0		15	15	60	2.0m					4.0k	4.0k		A	T03	C
72	2N352	333m		#J	2.0		40	15	40	5.0m	1.5	1.0	30	140				A	T013	F
73	2N1078	333m	20	#J	3.0		60	15	60	1.5m	2.0	500m	40					A	T03	C
74	2N1245	333m	20	#S	4.0		30	15	25	5.0m	2.0	50	50					A	T03	C
75	2N1246	333m	20	#S	4.0		30	15	25	5.0m	2.0	50	150					A	T03	C
76	2N1291	333m	20	#J	3.0		35	15	30	1.5m	2.0	500m	40					A	T03	C
77	2N1293	333m	20	#J	3.0		60	15	60	1.5m	2.0	500m	40					A	T03	C
78	2N1295	333m	20	#J	3.0		80	15	80	2.0m	2.0	500m	40					A	T03	C
79	2N1297	333m	20	#J	3.0		100	15	1											