

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)	MAX. P _C (W)	TEMP. RANGE (°C)	ABSOLUTE MAX. RATINGS @ 25°C						MAX. hFE		MIN	MAX	f _{ae} (Hz)	MAX. SAT. RES. (Ω)	tr (s)	STRUCTURE	DWG #	L C O D E	
						I _c (A)	I _b (A)	V _{CB} (V)	V _{EB} (V)	V _{CE} (V)	I _{CB} (A)	V _{CB} (V)	I _C (A)									
1	MP2000B	1.2	106	106	25	25	5.0	2.0	30	200	2.0	8.0	25		430k	24m	11u	ADE	F49c	C0		
2	MP2100A†	1.2	106	106	25	25	5.0	2.0	60	200	2.0	8.0	25		430k	24m	11u	DPE	F49c	C0		
3	MP2100B	1.2	106	106	25	25	5.0	2.0	60	200	2.0	8.0	25		430k	24m	11u	ADE	F49c	C0		
4	MP2200A†	1.2	106	106	25	25	5.0	2.0	80	200	2.0	8.0	25		430k	24m	11u	DPE	F49c	C0		
5	MP2200B	1.2	106	106	25	25	5.0	2.0	80	200	2.0	8.0	25		430k	24m	11u	ADE	F49c	C0		
6	MP2300A†	1.2	106	106	25	25	5.0	2.0	100	200	2.0	8.0	25		430k	24m	11u	DPE	F49c	C0		
7	MP2300B	1.2	106	106	25	25	5.0	2.0	100	200	2.0	8.0	25		430k	24m	11u	ADE	F49c	C0		
8	MP2400A†	1.2	106	106	25	25	5.0	2.0	120	200	2.0	8.0	25		430k	24m	11u	DPE	F49c	C0		
9	MP2400B	1.2	106	106	25	25	5.0	2.0	120	200	2.0	8.0	25		430k	24m	11u	ADE	F49c	C0		
10	PTC105A	1.2			10			100	50	75	20m	2.0	10			100m						
11	T1366A	1.2	25	25	3.0			60	45	40	20m	1.0	50			10		A				
12	T1367A	1.2	25	25	3.0			60	40	40	20m	1.0	50			15		A				
13	T1368A	1.2	25	25	3.0			45	25	25	10m	1.0	50			10		A				
14	T1369A	1.2	25	25	3.0			45	23	23	20m	1.0	50			15		A				
15	T1370A	1.2	25	25	3.0			30	45	45	20m	1.0	50			15		A				
16	2N1529A	1.3			#J	5.0	5.0	40	20	30	20m	2.0	3.0	20	40	5.0k	50				C0	
17	2N1530A	1.3			#J	5.0	5.0	40	30	45	20m	2.0	3.0	20	40	5.0k	50				C0	
18	2N1531A	1.3			#J	5.0	5.0	80	40	60	20m	2.0	3.0	20	40	5.0k	50				C0	
19	2N1532A	1.3			#J	5.0	5.0	100	50	75	20m	2.0	3.0	20	40	5.0k	50				C0	
20	2N1534A	1.3			#J	5.0	5.0	40	20	30	20m	2.0	3.0	35	70	5.0k	40				C0	
21	2N1535A	1.3			#J	5.0	5.0	60	30	45	20m	2.0	3.0	35	70	5.0k	40				C0	
22	2N1536A	1.3			#J	5.0	5.0	80	40	60	20m	2.0	3.0	35	70	5.0k	40				C0	
23	2N1537A	1.3			#J	5.0	5.0	100	50	75	20m	2.0	3.0	35	70	5.0k	40				C0	
24	2N2423	1.3			#J	5.0	5.0	100	30	80	5.0m	2.0	2.0	20	100						C0	
25	25B430	1.3	80		#C	20		70	1.0	160	20m	0.0	20		10k		2.0u	A			C0	
26	B1181	1.3			#J	25		160	2.0	160	10m	1.5	15	60		2.0M	.03	2.0u	DA			C0
27	CQT1075	1.3	90		#J	25		140	140	70	2.0m	2.0	10		200k			A			C0	
28	CQT1076	1.3	90		#J	25		115	115	80	2.0m	2.0	15	15		200k			A			C0
29	CQT1077	1.3	90		#J	15		100	100	45	2.0m	2.0	15	10		200k			A			C0
30	DTG1011	1.3			#J	15		200		15m	1.0	1.0	10	40		420k		4.0u	A			C0
31	DTG1040	1.3			#J	15	3.0			#	2.0m	2.0	1.0	45	200	420k			A			C0
32	2N514	1.4	80		#J	25	5.0	40	30	40	8.0m	1.5	25	12		7.0k	25m		A			C0
33	2N514A	1.4	80		#J	25	5.0	40	30	40	8.0m	1.5	25	12		7.0k	25m		A			C0
34	2N514B	1.4	80		#J	25	5.0	80	30	80	8.0m	1.5	25	12		7.0k	25m		A			C0
35	2N5435†	1.4	120		#J	60	12	80	2.5	80	10m	2.0	25	20	60		12u					C0
36	2N5436†	1.4	120		#J	60	12	110	2.5	90	10m	2.0	25	20	60		12u					C0
37	2N5437†	1.4	120		#J	60	12	140	2.5	120	10m	2.0	25	20	60		12u					C0
38	2N5438†	1.4	120		#J	60	12	80	2.5	80	10m	2.0	25	40	120		12u					C0
39	2N5439†	1.4	120		#J	60	12	110	2.5	90	10m	2.0	25	40	120		12u					C0
40	2N5440†	1.4	120		#J	60	12	140	2.5	120	10m	2.0	25	40	120		20u					C0
41	2N5692†	1.4	120		#J	40	12	50	2.5	30	10m	2.0	25	20	65		20u					C0
42	2N5693†	1.4	120		#J	40	12	80	2.5	60	10m	2.0	25	20	65		20u					C0
43	2N5694†	1.4	120		#J	40	12	100	2.5	80	10m	2.0	25	20	65		20u					C0
44	2N5695†	1.4	120		#J	40	12	120	2.5	100	10m	2.0	25	20	65		20u					C0
45	2N5696†	1.4	120		#J	40	12	140	2.5	120	10m	2.0	25	20	65		20u					C0
46	MP5435†	1.4	120		#J	60	12	80	2.5	80	200k	2.0	25	20	60	350k	12m	12u	ADE	F49d	C0	
47	MP5436†	1.4	120		#J	60	12	110	2.5	90	200k	2.0	25	20	60	350k	12m	12u	ADE	F49d	C0	
48	MP5437†	1.4	120		#J	60	12	140	2.5	120	200k	2.0	25	20	60	350k	12m	12u	ADE	F49d	C0	
49	MP5438†	1.4	120		#J	60	12	80	2.5	80	200k	2.0	25	40	120	350k	8.3m	12u	ADE	F49d	C0	
50	MP5439†	1.4	120		#J	60	12	110	2.5	90	200k	2.0	25	40	120	350k	8.3m	12u	ADE	F49d	C0	
51	MP5440†	1.4	120		#J	60	12	140	2.5	120	200k	2.0	25	40	120	350k	8.3m	12u	ADE	F49d	C0	
52	25B410	1.5	40		#J	15		135	5.0	135	25u	1.5	1.0	60		3.0M			DA			C0
53	2N5155†	1.6	60		#J	15	5.0	140	1.5	120	10m	8.0	25	100		340k	36m	18u				C0
54	SDT1960	1.6	140		#J	65	10	80	3.0	60	5.0m	2.0	65	20	340k	46m	10u					C0
55	SDT1961	1.6	140		#J	65	10	60	3.0	45	5.0m	2.0	65	20	340k	46m	10u					C0
56	SDT1962	1.6	140		#J	65	10	40	3.0	30	5.0m	2.0	65	20	340k	46m	10u					C0
57	2N2733†	1.7	66		#C	65	10	80	30	80	5.0m	2.0	25	30	120		18u					C0
58	2N2734†	1.7	66		#C	65	10	60	30	45	5.0m	2.0	25	30	120		18u					C0
59	2N2735†	1.7	66		#C	65	10	40	20	30	5.0m	2.0	25	30	120		18u					C0
60	2N2736	1.7	66		#C	65	10	80	30	60	5.0m	2.0	25	30	120		18u					C0
61	2N2737	1.7	66		#C	65	10	40	20	45	5.0m	2.0	25	30	120		18u					C0
62	2N2738	1.7	66		#C	65	10	60	20	30	5.0m	2.0	25	30	120		18u					C0
63	2G210	2.0			#C	6.0	2.0	80	20	60	1.0m	1.5	5.0	25	90	400k	10		A			C0
64	JAN2N174A	2.0	75		#S	1.4	0	80	60	40	15m	2.0	1.2	40	80	100k	60m					C0
65	2N458B	2.0	150		#J	7.0	3.0	40	30	30	2.0m	1.5	5.0	30	90	200k	100m					C0
66	JAN2N458B†	2.0	150		#J	7.0	3.0	40	30	30	7.0m	1.5	5.0	30	120		20u					C0
67	2N457B	2.0	150		#J	7.0	3.0	60	30	40	2.0m	1.5	5.0	30	90	200k	100m					C0
68	JAN2N457B†	2.0	150		#J	7.0	3.0	60	35	40	7.0m	1.5	5.0	30	120		20u					C0
69	2N458B	2.0	150		#J	7.0	3.0	80	30	45	2.0m	1.5	5.0	30	90	200k	100m					C0
70	JAN2N458B†	2.0	150		#J	7.0	3.0	80	40	45	7.0m	1.5	5.0	30	120		20u					C0
71	2N511	2.0			#J	25	5.0	40	30	20	5.0m	2.0	10	20	60	2.0k	500m					C0
72	2N511A	2.0			#J	25	5.0	60	30	30	5.0m	2.0	10	20	60	2.0k	500m					C0
73	2N511B	2.0			#J	25	5.0	80	30	40	5.0m	2.0	10	20	60	2.0k	500m					C0
74	2N512	2.0			#J	25	5.0	40	30	20	5.0m	2.0	15	20	60	2.0k	500m					C0
75	2N512A	2.0			#J	25	5.0	60	30	30	5.0m	2.0	15	20	60	2.0k	500m					C0
76	2N512B	2.0																				