

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 M T A E M P	ABSOLUTE MAX. RATINGS @ 25°C						MAX. hFE				MIN	MAX	fae (Hz)	MAX. SAT. RES. (Ω)	tr (s)	STRUC-TURE	DWG # Y200 s/a TO200 Ser.	L C E O A D E
					I _c (A)	I _b (A)	V _{cbco} (V)	V _{vebo} (V)	V _{ceo} (V)	I _{cbo} (A)	V _{cbco} (V)	I _c (A)	MIN	MAX								
1	MP2000B	1.2	106	25	5.0	2.0	30	200	2.0	8.0	25	430k	24m	11u	ADE	F49c	C0					
2	MP2100A†	1.2	106	25	5.0	2.0	60	200	2.0	8.0	25	430k	24m	11u	DPE	F49c	C0					
3	MP2100B	1.2	106	25	5.0	2.0	60	200	2.0	8.0	25	430k	24m	11u	ADE	F49c	C0					
4	MP2200A†	1.2	106	25	5.0	2.0	80	200	2.0	8.0	25	430k	24m	11u	DPE	F49c	C0					
5	MP2200B	1.2	106	25	5.0	2.0	80	200	2.0	8.0	25	430k	24m	11u	ADE	F49c	C0					
6	MP2300A†	1.2	106	25	5.0	2.0	100	200	2.0	8.0	25	430k	24m	11u	DPE	F49c	C0					
7	MP2300B	1.2	106	25	5.0	2.0	100	200	2.0	8.0	25	430k	24m	11u	ADE	F49c	C0					
8	MP2400A†	1.2	106	25	5.0	2.0	120	200	2.0	8.0	25	430k	24m	11u	DPE	F49c	C0					
9	MP2400B	1.2	106	25	5.0	2.0	120	200	2.0	8.0	25	430k	24m	11u	ADE	F49c	C0					
10	PTC105A	1.2	25	10	60	50	75	20m	2.0	10	10		100m		A	T03	C0					
11	T1366A	1.2	25	3.0	60	40	45	10m	1.0	1.0	50		10		A	T03	C0					
12	T1367A	1.2	25	3.0	60	40	45	10m	1.0	1.0	50		15		A	T03	C0					
13	T1368A	1.2	25	3.0	45	25	25	10m	1.0	1.0	50		10		A	T03	C0					
14	T1369A	1.2	25	3.0	45	23	23	20m	1.0	50	30		15		A	T03	C0					
15	T1370A	1.2	25	3.0	30	30	45	20m	1.0	50	30		15		A	T03	C0					
16	2N1529A	1.3		#J	5.0	5.0	40	20	30	20m	2.0	3.0	20	40	5.0k	50	T03	C0				
17	2N1530A	1.3		#J	5.0	5.0	40	20	30	20m	2.0	3.0	20	40	5.0k	50	T03	C0				
18	2N1531A	1.3		#J	5.0	5.0	80	40	60	20m	2.0	3.0	20	40	5.0k	50	T03	C0				
19	2N1532A	1.3		#J	5.0	5.0	100	50	75	20m	2.0	3.0	20	40	5.0k	50	T03	C0				
20	2N1534A	1.3		#J	5.0	5.0	40	20	30	20m	2.0	3.0	35	70	5.0k	40	T03	C0				
21	2N1535A	1.3		#J	5.0	5.0	60	30	45	20m	2.0	3.0	35	70	5.0k	40	T03	C0				
22	2N1536A	1.3		#J	5.0	5.0	80	40	60	20m	2.0	3.0	35	70	5.0k	40	T03	C0				
23	2N1537A	1.3		#J	5.0	5.0	100	50	75	20m	2.0	3.0	35	70	5.0k	40	T03	C0				
24	2N2423	1.3		#J	5.0	5.0	100	30	80	5.0m	2.0	2.0	20	100			T03	C0				
25#	2SB430	1.3	80	#C	20	70	1.0	20m	0.0	20	10	10k	0.3	2.0u	D	T03	C0					
26	B1181	1.3		#J	25	160	2.0	10m	1.5	15	60	2.0M			DA	T03	C0					
27	CQT1075	1.3	90	#J	25	140	140	70	2.0m	2.0	10	200k			A	T03	C0					
28	CQT1076	1.3	90	#J	25	115	115	80	2.0m	2.0	15	200k			A	T03	C0					
29	CQT1077	1.3	90	#J	15	100	100	45	2.0m	2.0	15	200k			A	T04.1	C0					
30	DTG1011	1.3		#J	15	200	#	15m	1.0	10	40	420k			A	T04.1	C0					
31	DTG1040	1.3		#J	15	3.0		2.0m	2.0	1.0	45	7.0k	25m		A	F3	C0					
32	2N514	1.4	80	#J	25	5.0	40	30	8.0m	1.5	25	7.0k	25m		A	F3	C0					
33	2N514A	1.4	80	#J	25	5.0	40	30	8.0m	1.5	25	7.0k	25m		A	F3	C0					
34	2N514B	1.4	80	#J	25	5.0	40	30	8.0m	1.5	25	7.0k	25m		A	F3	C0					
35	2N5435†	1.4	120	#J	60	12	110	2.5	10m	2.0	25	20	60	12u	T03	C0						
36	2N5436†	1.4	120	#J	60	12	110	2.5	90	10m	2.0	25	20	12u	T03	C0						
37	2N5437†	1.4	120	#J	60	12	140	2.5	120	10m	2.0	25	20	12u	T03	C0						
38	2N5438†	1.4	120	#J	60	12	80	2.5	80	10m	2.0	25	40	12u	T03	C0						
39	2N5439†	1.4	120	#J	60	12	110	2.5	90	10m	2.0	25	40	12u	T03	C0						
40	2N5440†	1.4	120	#J	60	12	140	2.5	120	10m	2.0	25	40	12u	T03	C0						
41	2N5692†	1.4	120	#J	40	12	50	2.5	30	10m	2.0	25	20	20u								
42	2N5693†	1.4	120	#J	40	12	80	2.5	60	10m	2.0	25	20	20u								
43	2N5694†	1.4	120	#J	40	12	100	2.5	80	10m	2.0	25	20	20u								
44	2N5695†	1.4	120	#J	40	12	120	2.5	100	10m	2.0	25	20	20u								
45	2N5696†	1.4	120	#J	40	12	140	2.5	120	10m	2.0	25	20	20u								
46	MP5435†	1.4	120	#J	60	12	80	2.5	80	200k	2.0	25	60	350k	12m	12u	ADE	F49d	C0			
47	MP5436†	1.4	120	#J	60	12	110	2.5	90	200k	2.0	25	60	350k	12m	12u	ADE	F49d	C0			
48	MP5437†	1.4	120	#J	60	12	140	2.5	120	200k	2.0	25	60	350k	12m	12u	ADE	F49d	C0			
49	MP5438†	1.4	120	#J	60	12	80	2.5	80	200k	2.0	25	40	350k	8.3m	12u	ADE	F49d	C0			
50	MP5439†	1.4	120	#J	60	12	110	2.5	90	200k	2.0	25	40	350k	8.3m	12u	ADE	F49d	C0			
51	MP5440†	1.4	120	#J	60	12	140	2.5	120	200k	2.0	25	40	350k	8.3m	12u	ADE	F49d	C0			
52#	2SB410	1.5	40	#J	15	135	5.0	135	25u	1.5	10	60	3.0M		DA	T03	C0					
53	2N5155†	1.6	60	#J	15	140	1.5	120	10m	8.0	25	100	340k	36m	18u	F41	T23	C0				
54	SDT1960	1.6	140	#J	65	10	60	30	5.0m	2.0	65	20	340k	46m	10u	T23	B	C0				
55	SDT1961	1.6	140	#J	65	10	60	30	5.0m	2.0	65	20	340k	46m	10u	T23	B	C0				
56	SDT1962	1.6	140	#J	65	10	60	30	5.0m	2.0	65	20	340k	46m	10u	T23	B	C0				
57	2N2733†	1.7	66	#C	65	10	80	30	80	5.0m	2.0	25	30	120	18u	T23	B	C0				
58	2N2734†	1.7	66	#C	65	10	60	30	45	5.0m	2.0	25	30	120	18u	T23	B	C0				
59	2N2735†	1.7	66	#C	65	10	40	20	30	5.0m	2.0	25	30	120	18u	T23	B	C0				
60	2N2736	1.7	66	#C	65	10	80	30	60	5.0m	2.0	25	30	120	18u	T23	B	C0				
61	2N2737	1.7	66	#C	65	10	40	20	45	5.0m	2.0	25	30	120	18u	T23	B	C0				
62	2N2738	1.7	66	#C	65	10	60	30	60	5.0m	2.0	25	30	120	18u	T23	B	C0				
63#	2G210	2.0		#J	6.0	2.0	60	20	60	1.0m	1.5	5.0	25	90	400k	10	A	F4	C0			
64#	JAN2N174A	2.0	75	#S	1.4	4.0	80	60	40	15m	2.0	1.2	40	80	100k	60m		T56	C0			
65	2N458B	2.0	150	#J	7.0	3.0	40	30	30	2.0m	1.5	5.0	30	90	200k	100m	20u	T03	C0			
66	JAN2N458B†	2.0	150	#J	7.0	3.0	40	30	30	7.0m	1.5	5.0	30	120			20u	T03	C0			
67	2N457B	2.0	150	#J	7.0	3.0	80	30	40	2.0m	1.5	5.0	30	90	200k	100m	20u	T03	C0			
68	JAN2N457B†	2.0	150	#J	7.0	3.0	60	35	40	7.0m	1.5	5.0	30	120			20u	T03	C0			
69	2N458B	2.0	150	#J	7.0	3.0	80	30	45	2.0m	1.5	5.0	30	90	200k	100m	20u	T03	C0			
70	JAN2N458B†	2.0	150	#J	7.0	3.0	80	40	45	7.0m	1.5	5.0	30	120			20u	T03	C0			
71	2N511	2.0		#J	25	5.0	40	30	20	5.0m	2.0	10	20	60	2.0k	500m	F3	C0				
72	2N511A	2.0		#J	25	5.0	60	30	30	5.0m	2.0	10	20	60	2.0k	500m	F3	C0				
73	2N511B	2.0		#J	25	5.0	80	30	40	5.0m	2.0	10	20	60	2.0k	64m	F3	C0				
74	2N512	2.0		#J	25	5.0	40	30	20	5.0m	2.0	15	20	60	2.0k	500m	F3	C0				
75	2N512A	2.0		#J	25	5.0	60	30	30	5.0m	2.0	15	20	60	2.0k	500m	F3	C0				
76	2N512B	2.0		#J	25	5.0	80	30	40	5.0m	2.0	15	20	60	2.0k	64m	F3	C0				
77	2N513	2.0		#J	25	5.0	40	30	20	5.0m	2.0	20	20	60	2.0k	500m	F3	C0				
78	2N513A	2.0		#J	25	5.0	60	30	30	5.0m	2.0	20	20	60	2.0k	500m	F3	C0				
79	2N513B	2.0		#J	25	5.0	80	30	40	5.0m	2.0	20	20	60	2.0k	64m	F3	C0				
80	2N1021A	2.0	150	#J	7.0	3.0	100	30	50	2.0m	1.5	5.0	30	90	200k	1.0	20u	T03	C0			
81	JAN2N1021A†	2.0	150	#J	7.0	3.0	100	50	50	7.0m	1.5	5.0	30	120			20u	T03	C0			
82	2N1022A	2.0	150	#J	7.0	3.0	120	30	55	2.0m	1.5	5.0	30	90	200k	1.0	20u	T03	C0			
83	JAN2N1022A†	2.0	150	#J	7.0	3.0	120															