

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 T A E X 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 E O A D E	
					Ic (A)	Ib (A)	BVcbo (V)	BVebo (V)	BVceo (V)	Icbo MAX @ 25°C (A)	Vcb (V)									Ic (A)
1	2N555	1.0	50	#J	3.0		40			50	2.0	500m	20	30	8.0k	200m	A	T03	C0	
2	2N1046	1.0	50	#J	12	3.0	100	1.5	50	2.0	1.5	5.0	40		10M	80m		T03	C0	
3	2N1046A	1.0	50	#J	12	3.0	130	1.5	50	2.0	1.5	5.0	40		15M	80m		T03	C0	
4	2N1046B	1.0	50	#J	12	3.0	130	1.5	50	2.0	1.5	10	2.0		15M	90m		T03	C0	
5	JAN2N1412	1.0	70	#J	10		100	60	65	6.0	2.0	5.0	25	50	5.0k	50m		T63	B0	
6	2N1412A	1.0	70	#J	10		100	60	70	6.0	2.0	5.0	25	50	5.0k	50m		T63	C0	
7	JAN2N1412A	1.0	70	#J	10		100	60	70	6.0	2.0	5.0	25	50	5.0k	50m		T63	B0	
8	2N2069	1.0	20	#S	12	3.0	40	20	30	15m	2.0	5.0	30	200	1.5k	125m		T03	C0	
9	2N2070	1.0	20	#S	12	3.0	80	30	60	15m	2.0	5.0	30	200	1.5k	125m		T03	C0	
10	2N2071	1.0	20	#S	12	3.0	40	20	30	15m	2.0	5.0	30	200	1.5k	125m		T041	C0	
11	2N2072	1.0	20	#S	12	3.0	80	30	60	15m	2.0	5.0	30	200	1.5k	125m		T041	C0	
12	2N2210	1.0	70	#J	15	4.0	100	60	65	4.0	2.0	5.0	25	50	5.0k	50m		R167	C0	
13	2N2444	1.0	85	#C	10	3.0	80	1.0	80	2.0	2.0	3.0	90	120	4.5M	200m		T03	C0	
14	2N25261	1.0	85	#C	10	5.0	80	5.0	80	3.0	2.0	3.0	20	50		80m	11u	F41	C0	
15	2N25271	1.0	85	#C	10	5.0	120	5.0	120	3.0	2.0	3.0	20	50		80m	11u	F41	C0	
16	2N25281	1.0	85	#C	10	5.0	160	5.0	160	3.0	2.0	3.0	20	50		80m	11u	F41	C0	
17	JAN2N25281	1.0	85	#J	10		160	5.0	160	3.0	2.0	3.0	20	50		80m	4.0u	T03	C0	
18	2N2612	1.0	75	#C	15	5.0	65	30	65	500m	2.0	3.0	85	250	2.0k	1.0		T03	C0	
19	2N28321	1.0	85	#C	20	5.0	80	2.0	50	10m	2.0	10	25	100	10M	150m	4.0u	T03	C0	
20	2N28331	1.0	85	#C	20	5.0	120	2.0	75	10m	2.0	10	25	100	10M	150m	4.0u	T03	C0	
21	2N28341	1.0	85	#C	20	5.0	140	2.0	100	10m	2.0	10	25	100	10M	150m	4.0u	T03	C0	
22	JAN2N28341	1.0	85	#J	20		160	2.0	100	10m	2.0	10	25	#	10M	150m	4.0u	F4e	C0	
23	2N29121	1.0	75	#A	25	3.0	15	15	5.0	10m	2.0	5.0	200	800	10M	20m	2.0u	R74	A0	
24#	2SB235	1.0	60	#J	15	15	80	25	80	10m	2.0	5.0	25	200	200k	50m		T036	C0	
25	3N451	1.0		#J	12	500m	60	28	50	3.0	2.0	5.0	30	120	#	16k	3.0u	A	T015	GB
26	3N461	1.0		#J	12	500m	80	28	80	3.0	2.0	5.0	20	80	12k		6.0u	A	T015	GB
27	3N47	1.0	75	#J	12	15	80	28	25	3.0	2.0	5.0	30	120	500k	80m		A	T015	GB
28	3N48	1.0	75	#J	12	15	60	28	40	3.0	2.0	5.0	20	80	300k	80m		A	T015	GB
29	CTP1505	1.0		#J	13		60	28	45	3.0	2.0	5.0	15	45		13				
30	CTP1512	1.0		#J	13		80	28	60	3.0	2.0	5.0	60	120						
31#	CTP1544	1.0	1.7	#J	25		60	30	30	15m	2.0	25	25	125	4.0k	40m				T03
32#	CTP1552	1.0	1.7	#J	25		40	30	20	15m	2.0	25	25	125	4.0k	40m				T03
33	DTG110A	1.0		#J	15	5.0		2.8	70	2.0	1.0	50		300	850k					Y204a
34	DTG6001	1.0	60	#J	15	5.0	1.4	50		2.0	5.0	50				30m	12u			Y204a
35	DTG6011	1.0	60	#J	15	5.0	1.4	60		2.0	5.0	50				30m	12u			Y204a
36	DTG6021	1.0	60	#J	15	5.0	1.4	70		2.0	5.0	50				30m	12u			Y204a
37	DTG6031	1.0	60	#J	15	5.0	1.4	80		2.0	5.0	50				30m	12u			Y204a
38	DTG603M1	1.0	60	#J	15	2.5	1.4	80		100m	2.0	5.0	50	250	*		13u			Y204a
39	DTG20001	1.0	60	#J	15	5.0	1.0	30		100m	2.0	8.0	25			250k	36m	9.0u		Y204a
40	DTG21001	1.0	60	#J	15	5.0	1.0	60		100m	2.0	8.0	25			250k	36m	9.0u		Y204a
41	DTG22001	1.0	60	#J	15	5.0	1.0	80		100m	2.0	8.0	25			250k	36m	9.0u		Y204a
42	DTG23001	1.0	60	#J	15	5.0	1.0	100		100m	2.0	8.0	25			250k	36m	9.0u		Y204a
43	DTG24001	1.0	60	#J	15	5.0	1.0	120		100m	2.0	8.0	25			250k	36m	9.0u		Y204a
44	DTG2400M1	1.0	60	#J	15	5.0	1.5	120		20m	2.0	10	25	125	#	600k	36m	18u		Y204a
45	HEPG8000-RT	1.0	90	#J	30		30	10	30	6.0	1.0	40	40			600k				T03
46	HEPG8003-RT	1.0	90	#J	50		30	10	30	3.0	1.0	60	60			600k				T03
47	HEPG8005-RT	1.0	90	#J	70		70	10	70	80u	3.0	60	60			600k				T03
48	HEPG8013-RT	1.0	85	#J	15		60	20	35	1.0	3.0	100	100			600k				T03
49	HEPG8014-RT	1.0	85	#C	20		80	2.0	50	10m	5.0	60	60			1.0m				T03
50	HEPG8015-RT	1.0	85	#J	10		80	5.0	80	20m	3.0	40	40			700k				T03
51	HEPG8017-RT	1.0	85	#J	10		160	5.0	160	3.0	3.0	40	40			50k				T03
52	HSE803-RT	1.0	77	#J			60	20	35	1.0	2.0	500m	30			100k				T03
53	HSE812-RT	1.0	77	#J			60	20	35	1.0	2.0	200m	30			100k				T03
54	HSE84-RT	1.0	77	#J			60	20	35	1.0	2.0	200m	80			100k				T03
55	MN18	1.0		#J	30		30			5.0	2.0	50	100			2.0				A
56	MN29	1.0		#J	30		40			5.0	2.0	50	100			2.0				A
57	MP6001	1.0	85	#J	25	5.0	75	1.5	50	200u	2.0	5.0	50			30m	10u			A
58	MP600A1	1.0	85	#J	25	5.0	75	1.5	50	200u	2.0	5.0	50			30m	10u			A
59	MP6011	1.0	85	#J	25	5.0	75	1.5	60	200u	2.0	5.0	50			30m	10u			A
60	MP601A1	1.0	85	#J	25	5.0	75	1.5	60	200u	2.0	5.0	50			30m	10u			A
61	MP6021	1.0	85	#J	25	5.0	90	1.5	70	200u	2.0	5.0	50			30m	10u			A
62	MP602A1	1.0	85	#J	25	5.0	90	1.5	70	200u	2.0	5.0	50			30m	10u			A
63	MP6031	1.0	85	#J	25	5.0	90	1.5	80	200u	2.0	5.0	50			30m	10u			A
64	MP603A1	1.0	85	#J	25	5.0	90	1.5	80	200u	2.0	5.0	50			30m	10u			A
65	MP1612	1.0	85	#J	20		70	2.0	50	10	10	25	100			18M	03			T03
66	MP1612A	1.0	85	#J	20		110	2.0	75	10	10	25	100			18M	03			T03
67	MP1612B	1.0	85	#J	20		13	2.0	100	10	10	25	100			18M	03			T03
68	MP161	1.0	85	#J	70	2.0	100	50	75	5.0m	2.0	1.0	40	70						T03
69	MP2060	1.0	85	#C	70	2.0	40	20	25	1.0	2.0	3.0	30	200		600k				A
70	MP2061	1.0	85	#C	70	2.0	60	20	35	1.0	2.0	3.0	30	200		600k				A
71	MP2062	1.0	85	#C	70	2.0	75	20	50	1.0	2.0	3.0	30	200		600k				A
72	MP2063	1.0	85	#C	70	2.0	90	20	60	1.0	2.0	3.0	30	200		600k				A
73#	OC16	1.0	50	#J	30		32	10	32	100u	1.0	2.0	10	56		200k	266m			A
74	SDG600	1.0	85	#J	10	1.0	75	1.5	50	2.0	5.0	50				30m				T03
75	SDG601	1.0	85	#J	10	1.0	75	1.5	60	2.0	5.0	50				30m				T03
76	SDG602	1.0	85	#J	10	1.0	75	1.5	70	2.0	5.0	50				30m				T03
77	SDG603	1.0	85	#J	10	1.0	90	1.5	80	2.0	5.0	50				30m				T03
78#	2G221	1.1	85	#J	10	5.0	40	30		2.0	1.5	10	10	12		200k	05	11u		A
79#	2G221	1.1	85	#J	10	5.0	60	30		2.0	1.5	10	10	12		200k	05	11u		A
80#	2G223	1.1	85	#J	15	5.0	40	30		2.0	1.5	15	10							