

## 2. GERMANIUM PNP - LOW POWER TRANSISTORS

IN ORDER OF (1) MAX COLLECTOR DISSIPATION  
(2) fab & (3) TYPE No.

LINE No.	TYPE No.	1 MAX. COLL. DISS. @25°C (W)	2 DERATE IN FREE AIR W/°C (Hz)	TEMP. RANGE (°C)	ABS. MAX. RATINGS @25°C			MAX. I <sub>cb</sub> @ MAX V <sub>cb</sub> (A)	TYPICAL h <sub>FE</sub> PARAMETERS			Cob (F)	STRUCTURE	DWG #/a TO200 Ser.	LEAD CODE			
					V <sub>cb</sub> (V)	V <sub>ce</sub> (V)	V <sub>be</sub> (V)		BIAS		COMMON EMITTER							
					(V)	(V)	(V)		V <sub>cb</sub> (V)	I <sub>e</sub> (A)	h <sub>FE</sub>					h <sub>oe</sub> (mhos)	h <sub>ie</sub> (Ω)	h <sub>re</sub> X.0001
1	2N1226	120m	30M	1.6m	#A	60	60	50	10m	12u	100	1.5m	60	2.0p	D	T033	G	
2	2N1395	120m	30M	1.6m	#A	40	40	50	10m	12u	120	1.5m	90	2.0p	D	T033	G	
3	40004	120m	30M	1.6m	#A	40	40	50	10m	15u	9.00	1.0m	80	2.0p	D	T044	G	
4	2N795	120m	35M	2.0m	#S	13	12	2	100m	3.0u	3.00	10m	30	12p	Δ	T018	A	
5	2N603	120m	40M	2.0m	#S	30	20	4.0	100m	8.0u	1.00	500u	30	3.0p	Δ	T05	A	
6	JAN2N604†	120m	50M	2.0m	#S	30	20	2.0	100m	8.0u	1.00	500u	40	5.0p	Δ	R179f	A	
7	2N644†	120m	50M	2.0m	#A	30	29	2.0	100m	10u	7.00	5.0m	45	2.0p	D	T09	A	
8	2N796	120m	50M	2.0m	#S	12	12	4.0	100m	3.0u	3.00	10m	30	12p	Δ	T018	A	
9	JAN2N1225	120m	50M	1.6m	#S	40	40	50	10m	20u	120	1.5m	50	3.0p	Δ	T033	G	
10	2N604	120m	60M	2.0m	#S	30	20	2.0	100m	8.0u	1.00	500u	40	3.0p	Δ	T05	A	
11	2SA474	120m	70M	1.8m	#J	50	50	50	50m	12u	6.00	1.0m	50	2.2p	D	T01	A	
12	2N645†	120m	75M	3.0m	#A	30	29	2.0	100m	10u	7.00	5.0m	45	2.0p	D	T09	A	
13	2N384	120m	100M	1.6m	#A	40	40	50	10m	12u	120	1.5m	60	2.0p	D	T044	A	
14	2N1225	120m	100M	1.6m	#A	40	40	50	10m	12u	120	1.5m	60	2.0p	D	T012	A	
15	2N1396	120m	100M	1.6m	#A	40	40	50	10m	12u	124	1.5m	90	2.0p	D	T033	G	
16	40005	120m	100M	1.6m	#A	40	40	50	10m	12u	120	1.5m	60	2.0p	D	T044	A	
17	2N1023	120m	100M	1.6m	#J	40	40	50	10m	12u	12	1.5m	90	2.0p	D	T044	A	
18	2N1066	120m	120M	1.6m	#A	40	40	50	10m	12u	120	1.5m	60	2.0p	D	T033	G	
19	2N1397	120m	120M	1.6m	#A	40	40	50	10m	12u	124	1.5m	90	2.0p	D	T033	G	
20	40006	120m	120M	1.6m	#A	40	40	50	10m	12u	120	1.5m	90	2.0p	D	T044	A	
21	2N2494	125m	120M	1.7m	#S	40	40	50	10m	12u	6.00	1.0m	25	2.0p	Δ	T07	H	
22	2N2495	125m	120M	1.7m	#S	40	40	50	10m	12u	6.00	1.0m	25	2.0p	Δ	T07	H	
23	GT14	125m	2.0m	2.0m	#S	25	25	10	100m	25u	5.00	1.0m	28	500nb	A	40	3.0	
24	TR11	125m			#S	100			100m	450u	4.5	1.0m	18		A			
25	TR15	125m			#S	25			100m	6.0u	4.5	1.0m	75		A			
26	TR16	125m			#S	25			100m	6.0u	4.5	1.0m	150		A			
27	TR17	125m			#S	25			100m	6.0u	4.5	1.0m	150		A			
28	TR21	125m			#J	12			100m	6.0u			20		A			
29	TRM15	125m			#S	25			100m	6.0u	4.5	1.0m	75		A			
30	TRM16	125m			#S	25			100m	6.0u	4.5	1.0m	150		A			
31	TRM17	125m			#S	25			100m	6.0u	4.5	1.0m	150		A			
32	TRM21	125m			#J	12			100m	6.0u			20		A			
33	2N279	125m	300k	2.5m	#J		20		10m	12u	2.00	500u	30	23u	Δ	R9	F	
34	2N280	125m	300k	2.5m	#J		20		10m	12u	2.00	3.0m	47	80u	Δ	R9	F	
35	2SB170	125m	300k	2.5m	#J	30			10m	12u	2.0	500u	30	15u	Δ	T01	A	
36	2N281	125m	350k	2.5m	#J	16	16	10	125m	10u	5.40	10m	70		AD	R8	A	
37	2N284	125m	350k	2.5m	#J	32	32	10	125m	10u	6.00	250m	15		AD	R8	F	
38	2N284A	125m	350k	2.5m	#J	60	60	10	125m	10u	6.00	250m	15		AD	R8	F	
39	2N283	125m	500k	2.5m	#J	20	20		10m	6.0u	100	500u	40		AD	R9	F	
40	2SB171	125m	700k†	2.5m	#J	30			100m	12u	6.0	1.0m	60	75u	A	T01	A	
41	2SB173	125m	700k†	2.5m	#J	20			100m	12u	6.0	1.0m	100		A	T01	A	
42	2SB175	125m	700k†	2.5m	#J	30			100m	12u	6.0	1.0m	100	80u	A	T01	A	
43	GT1	125m	80M	2.5m	#S	9.0			10m	5.0u	4.5	1.0m	20	18u	A	1.1k	3.5	
44	GT31	125m	800k	2.5m	#J	15	15	100m			4.5	1.0m	20	18u	A	1.1k	3.5	
45	2SB177	125m	900k	2.5m	#J	60	60	10	125m	12u	5.00	300m	65		AD	R12	T01	
46	GT32	125m	900k	2.5m	#J	15	15	100m			4.5	1.0m	40	20u	A	1.8k	4.0	
47	2N65	125m	1.0M	1.7m	#J	20	20	10	100m	10u	5.0	1.0m	75		AD	R12	O3a	
48	2SB172	125m	1.0M	2.5m	#J	32	32	10	300m	12u	1.00	2.0m	50		AD	T01	A	
49	40253	125m	1.0M	3.5m	#S	25	25	2.5	500m	14u	1.00	400m	75		A	T01	A	
50	GT2	125m	1.0M	2.5m	#S	9.0			10m	5.0u	4.5	1.0m	40	20u	A	2.5k	4.0	
51	GT33	125m	1.0M	2.5m	#J	15	15	100m			4.5	1.0m	60	25u	A	2.5k	5.0	
52	OC70	125m	1.0M	2.5m	#J	30	30	10	50m	13u	2.00	500u	20		A	T01	A	
53	OC71	125m	1.0M	1.7m	#J	30	30	10	50m	13u	2.00	3.0m	30	40p	A	T01	A	
54	OC77	125m	1.0M	1.6m	#J	60	60	10	250m	10u	5.40	10m	45	40p	A	T01	A	
55	GT3	125m	1.3M	2.5m	#S	9.0			10m	5.0u	4.5	1.0m	60	25u	A	2.5k	5.0	
56	2SB176	125m	1.4M	2.5m	#J	32	32	10	300m	12u	1.00	2.0m	57		AD	T01	A	
57	40329	125m	1.5M	2.8m	#J	25	25	2.5	100m	14u	100	100	75	175u	A	400	3.0	
58	TR19	125m	2.0M	2.5m	#J	25			100m	5.0u	5.0	1.0m	100	50p	A			
59	2N614	125m	3.0M	3.0m	#J	20	15	10	150m	6.0u	9.0	50m	4.5	8.0p	F	T05	A	
60	2N615	125m	5.0M	3.0m	#J	20	15	10	150m	6.0u	9.0	50m	7.5	8.0p	F	T05	A	
61	2N617	125m	7.5M	3.0m	#J	15	12	10	150m	6.0u	9.0	50u	15	7.0p	F	T05	A	
62	2N505	125m	8.0M	2.0m	#A	40	40	20	40	250m	1.00	10m	40	10p	F	T09	A	
63	JAN2N2084	125m	40M	1.6m	#A	40	20	1.0	10m	8.0u	6.00	10m	40	4.0p	Δ	T033	G	
64	2N2188	125m	60M	2.1m	#J	40	25	2.0	30m	3.0u	9.00	1.5m	40	2.5p	Δ	T058	A	
65	2N2190	125m	60M	2.1m	#J	60	25	2.0	30m	3.0u	9.00	1.5m	40	2.5p	Δ	T058	A	
66	2N2084	125m	100M	600u	#S	40	20	1.0	10m	8.0u	6.00	1.0m	40	4.0p	Δ	T033	G	
67	2N2189	125m	102M	2.1m	#J	40	25	2.0	30m	3.0u	9.00	1.5m	40	2.5p	Δ	T058	A	
68	2N2191	125m	102M	2.1m	#J	60	25	2.0	30m	3.0u	9.00	1.5m	40	2.5p	Δ	T058	A	
69	AC122	130m	2.0m	2.0m	#J	30	18	12	200m	15u	6.00	2.0m	100	52m	A	2.0k	5.5	
70	AC122-30	130m	2.0m	2.0m	#J	45	32	12	200m	15u	6.00	2.0m	100	52m	A	2.0k	5.5	
71	TR761	130m	2.5m	2.5m	#J	30	20	20	200m						F			
72	CK870	130m	50M	2.5m	#J	25	25	150m			6.0	1.0m	12		F			
73	CK871	130m	60M	2.5m	#J	20	20	150m			6.0	1.0m	20		F			
74	2N111	130m	3.0M	2.5m	#J	30	20	200m			6.0	1.0m	25	12p	F	O3a	A	
75	2N111A	130m	3.0M	2.5m	#J	30	20	200m			6.0	1.0m	25	12p	F	O3a	A	
76	2N112	130m	5.0M	2.5m	#J	30	20	200m			6.0	1.0m	30	12p	F	O3a	A	
77	2N112A	130m	5.0M	2.5m	#J	30	20	200m			6.0	1.0m	30	12p	F	O3a	A	
78	2N113	130m	10M	2.5m	#J	30	20	200m			6.0	1.0m	45	12p	F	O3a	A	
79	2N114	130m	20M	2.5m	#J	30	20	200m			6.0	1.0m	75	12p	F	O3a	A	
80	TR762	130m	20M	2.5m	#J	30	20	200m			6.0	1.0m	75	12p	F	O3a	A	
81	2N1097	140m			#J		16		100m	1.0u	1.00	20m	34		F	T05	A	
82	2N1098	140m			#J		16		100m	1.0u	1.00	20m	25		F	T05	A	
83	2N1144	140m	4.0m	3.0m	#J	16	16	50	100m	16u	5.0	1.0m	55	40p	A	R32	A	
84	2N1145	140m	4.0m	3.0m	#J	16	16	50	100m	16u	5.0	1.0m	45	40p	A	R32	A	
85	2N3074	140m	3.0m	3.0m	#S	30	25	50	20m	10u	120	3.5m	25	95	A	3.0p	T012	G
86	2N3075	140m	3.0m	3.0m	#S	35	25	50	20									