

# 2. GERMANIUM PNP - LOW POWER TRANSISTORS

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

LINE No.	TYPE No.	MAX. COLL. DISS. @25°C (W)	DERATE			T	ABS MAX RATINGS @25°C			MAX. l <sub>cb</sub> @ MAX V <sub>cb</sub> (A)	TYPICAL h <sub>FE</sub> PARAMETERS				Cob (F)	STRUC-TURE	DWG #/Y200 s/a TO200 Ser.	L O A D E		
			fab	IN FREE AIR W/°C	M E M P		V <sub>cb</sub>	V <sub>ce</sub>	V <sub>be</sub>		I <sub>c</sub>	BIAS	COMMON EMITTER							
			(Hz)	(W/°C)	(A)	(V)	(V)	(V)	(V)	(A)	(V)	(A)	h <sub>FE</sub>	hoe (mhos)	hie (Ω)	hre (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	4.0	100m	3.0u	3.00	10m	30	400nb	30	4.0	12p	Δ	T018	A
5	2N603	120m	40M	2.0m	#S	30	20	1.0	8.0u	1.00	500u	30	30	2.0u	30	3.0p	Δ	T05	A	
6	JAN2N604†	120m	50M	2.0m	#S	30	20	2.0	8.0u	1.00	500u	40	40	2.0u	30	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	8.0u	1.00	500u	40	40	250nb	27	3.0	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		400		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	90				2.0p	D	T044	A
17	2N1023	120m	120M	1.6m	#J	40	40	50	10m	12u	12	1.5m	60				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	1.7m	2.0m	#S	40	40	50	10m	6.0u	6.00	1.0m	25	500nb	40	3.0	2.0p	Δ	T07	H
22	2N2495	125m	1.7m	2.0m	#S	40	40	50	10m	6.0u	6.00	1.0m	25				2.0p	Δ	T012	G
23	GT14	125m	2.0m	2.0m	#S	25	25	25	100m	25u	5.00	1.0m	28				35p			
24	TR11	125m	2.0m	2.0m	#S	100	100	100	100m	450u	4.5	1.0m	18							
25	TR15	125m	2.5m	2.5m	#S	25	25	25	100m	6.0u	4.5	1.0m	75							
26	TR16	125m	2.5m	2.5m	#S	25	25	25	100m	6.0u	4.5	1.0m	150							
27	TR17	125m	2.5m	2.5m	#S	25	25	25	100m	6.0u	4.5	1.0m	150							
28	TR21	125m	2.5m	2.5m	#J	12	12	12	100m	6.0u	4.5	1.0m	20							
29	TRM15	125m	2.5m	2.5m	#S	25	25	25	100m	6.0u	4.5	1.0m	150							
30	TRM16	125m	2.5m	2.5m	#S	25	25	25	100m	6.0u	4.5	1.0m	150							
31	TRM17	125m	2.5m	2.5m	#S	25	25	25	100m	6.0u	4.5	1.0m	150							
32	TRM21	125m	2.5m	2.5m	#J	12	12	12	100m	6.0u	4.5	1.0m	20							
33	2N279	125m	300k	2.5m	#J	20	20	20	10m	12u	2.00	500u	30	23u	2.2k	9.0		Δ	R9	F
34	2N280	125m	300k	2.5m	#J	20	20	20	10m	12u	2.00	3.0m	47	80u	800	5.0		Δ	R9	F
35	2SB170	125m	300k	2.5m	#J	30	30	30	10m	12u	2.0	500u	30	15u	1.8k	4.5				
36	2N281	125m	350k	2.5m	#J	16	16	10	125m	10u	5.40	10m	70				AD	R8		
37	2N284	125m	350k	2.5m	#J	32	32	10	125m	10u	6.00	250m	15							
38	2N284A	125m	350k	2.5m	#J	60	60	10	125m	10u	6.00	250m	15							
39	2N283	125m	500k	2.5m	#J	20	20	20	10m	6.0u	1.00	500u	40							
40	2SB171	125m	700k†	2.5m	#J	30	30	30	100m	12u	6.0	1.0m	60	75u	800	4.5				
41	2SB173	125m	700k†	2.5m	#J	20	20	20	100m	12u	6.0	1.0m	100							
42	2SB175	125m	700k†	2.5m	#J	30	30	30	100m	12u	6.0	1.0m	100	80u	1.3k	5.5				
43	GT1	125m	80M	2.5m	#S	9.0	9.0	15	100m	5.0u	4.5	1.0m	20	18u	1.1k	3.5				
44	GT31	125m	800k	2.5m	#J	15	15	15	100m	2.0u	4.5	1.0m	20	18u	1.1k	3.5				
45	2SB177	125m	900k	2.5m	#J	60	60	10	125m	12u	5.00	3.0m	65							
46	GT32	125m	900k	2.5m	#J	15	15	15	100m	4.5	1.0m	40	20u	1.8k	4.0					
47	2N65	125m	1.0M	1.7m	#J	20	20	10	100m	10u	5.0	1.0m	75			35p				
48	2SB172	125m	1.0M	2.5m	#J	32	32	10	300m	12u	1.00	2.0m	50							
49	40253	125m	1.0M	3.5m	#S	25	25	2.5	500m	14u	1.00	400m	75	20u	1.8k	4.0				
50	GT2	125m	1.0M	2.5m	#S	9.0	9.0	15	100m	5.0u	4.5	1.0m	40	20u	2.5k	5.0				
51	GT33	125m	1.0M	2.5m	#J	15	15	15	100m	5.0u	4.5	1.0m	60	25u	2.5k	5.0				
52	OC70	125m	1.0M	2.5m	#J	30	30	10	50m	13u	2.00	500u	20			40p				
53	OC71	125m	1.0M	1.7m	#J	30	20	10	50m	13u	2.00	3.0m	30			40p				
54	OC77	125m	1.0M	1.6m	#J	60	60	10	250m	10u	5.40	10m	45			40p				
55	GT3	125m	1.3M	2.5m	#S	9.0	9.0	15	100m	5.0u	4.5	1.0m	60	25u	2.5k	5.0				
56	2SB176	125m	1.4M	2.5m	#J	32	32	10	300m	12u	1.00	2.0m	57	175u	400	3.0				
57	40329	125m	1.5M	2.8m	#J	25	25	2.5	100m	14u	1.00	10m	75			35p				
58	TR19	125m	2.0M	2.5m	#J	25	25	10	150m	5.0u	5.0	1.0m	100			50p				
59	2N614	125m	3.0M	3.0m	#J	20	15	10	150m	6.0u	9.0	50m	4.5			8.0p				
60	2N615	125m	5.0M	5.0m	#J	20	15	10	150m	6.0u	9.0	50m	7.5			8.0p				
61	2N617	125m	7.5M	7.5m	#J	15	12	10	150m	6.0u	9.0	50u	15			7.0p				
62	2N505	125m	8.0M	8.0m	#J	40	40	20	40	250m	1.00	10m	40			10p				
63	JAN2N2084	125m	40M	1.6m	#A	40	20	1.0	10m	8.0u	6.00	10m	40			4.0p				
64	2N2188	125m	60M	2.1m	#J	40	25	2.0	30m	3.0u	9.00	1.5m	40			2.5p				
65	2N2190	125m	60M	2.1m	#J	60	25	2.0	30m	3.0u	9.00	1.5m	40			2.5p				
66	2N2084	125m	100M	600u	#S	40	20	1.0	10m	8.0u	6.00	10m	40			4.0p				
67	2N2189	125m	102M	2.1m	#J	40	25	2.0	30m	3.0u	9.00	1.5m	40			2.5p				
68	2N2191	125m	102M	2.1m	#J	60	25	2.0	30m	3.0u	9.00	1.5m	40			2.5p				
69	AC122	130m	2.0m	2.0m	#J	30	18	12	200m	15u	6.00	2.0m	100	52m	2.0k	5.5				
70	AC122.30	130m	2.0m	2.0m	#J	45	32	12	200m	15u	6.00	2.0m	100	52m	2.0k	5.5				
71	TR761	130m	2.5m	2.5m	#J	30	20	20	200m	2.5u	6.0	1.0m	20			12p				
72	CK870	130m	50M	2.5m	#J	25	25	150m	20	150m	6.0	1.0m	12			12p				
73	CK871	130m	60M	2.5m	#J	20	20	150m	20	150m	6.0	1.0m	20			12p				
74	2N111	130m	3.0M	2.5m	#J	30	20	200m	20	200m	6.0	1.0m	25			12p				
75	2N111A	130m	3.0M	2.5m	#J	30	20	200m	20	200m	6.0	1.0m	25			12p				
76	2N112	130m	5.0M	2.5m	#J	30	20	200m	20	200m	6.0	1.0m	30			12p				
77	2N112A	130m	5.0M	2.5m	#J	30	20	200m	20	200m	6.0	1.0m	30			12p				