

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				3 ABS MAX RATINGS @ 25°C				4 TYPICAL 'h' PARAMETERS							Cob (F)	STRUC-TURE	DWG # Y200 s/a TO200 Ser.	# L E O D E	
			fab (Hz)	IN FREE AIR W/°C	M E A M P X	T (V)	BVcbo (V)	BVceo (V)	BVeBo (V)	Ic (A)	Icbo @ MAX Vcb (A)	BIAS			COMMON EMITTER							
												Vcb (V)	Ie (A)	hfe	hoe (mhos)	hie (Ω)	hre (X.0001)					
1	TR123	150m	8.0M	2.5m	#J	20	125m	6.0u	5.0	1.0m	65	800nb	28	8.0	15p	AΔ						
2	TR396	150m	8.0M	2.5m	#S	20	200m	6.0u	5.0	1.0m	90	90ub			12p	AΔ						
3	TR-C44	150m	8.0M	2.5m	#J	6.0	20	6.0	6.0	1.0m	80											
4	2N616	150m	9.0M	2.5m	#J	15	12	10	150m	6.0u	9.0	500u	25	7.0p	F	T05	A					
5	2N3216†	150m	9.0MΔ	2.0m	#S	20	10	20	500m	2.0uφ	22φ	200mφ	60 Δ	20pφ		T05	A					
6#	2G604†	150m	9.2M	2.5m	#S	30	30	30	200m	6.0u	1.0φ	10m	70 †	12p	A	T05	A					
7#	2G603†	150m	9.4M	2.5m	#S	30	15	20	200m	6.0uφ	1.0φ	10mφ	40 Δ	12p	A	T05	A					
8#	2G605†	150m	9.4M	2.5m	#J	30	20	20	200m	6.0uφ	2.5φ	4.5mφ	75 †	12p	A	T05	A*					
9	2N271	150m	10M	2.5m	#J	30	10	20	200m	5.0uφ	6.0φ	1.0m	45	12pφ	FAφ	O3a	F					
10	2N271A	150m	10M	2.5m	#J	30	10	20	200m	5.0uφ	6.0φ	1.0m	45	14pφ	FA	O3a	F					
11	2N415	150m	10M	2.5m	#J	30	10	20	200m	5.0uφ	6.0φ	1.0m	80	12p	FA	T05	A					
12	2N415A	150m	10M	2.5m	#J	30	10	20	200m	5.0uφ	6.0φ	1.0m	80	12p	FA	T05	A					
13	2N416	150m	10M	2.5m	#J	30	12	20	200m	5.0uφ	6.0φ	1.0m	80	12p	FAφ	T05	A					
14	JAN2N428†	150m	10MΔ	2.0m	#S	30	12	20	400m	25u	25φ	1.0mΔ	60 †Δ	20pφ		T05	Aφ					
15	2N428A†	150m	10MΔ	2.0m	#S	30	18	20	1.0 #	4.0uφ	25φ	1.0mΔ	80 †Δ	20pφ		T05	A					
16	2N450	150m	10M	2.5m	#J	20	12	10	125m	6.0uφ	5.0φ	1.0m	130	20pφ	AΔ	R109	Aφ					
17	2N484	150m	10M	2.5m	#J	12			20m	10u	6.0	1.0m	90	12p	FA	T05	A					
18	2N1307	150m	10MΔ	2.5m	#J	30			300m	6.0uφ	1.0φ	10mφ	60 †Δ	20pφ	Δ	T05	A					
19	JAN2N1307	150m	10MΔ	2.5m	#S	30			25	300m	6.0uφ	1.0φ	10mφ	60 †Δ	20pφ		T05	A				
20	2N1345†	150m	10MΔ	2.5m	#J	10	8.0	6.0	400m	6.0u	3.0φ	400mφ	60 †	14p	A	T05	A					
21	2N1346†	150m	10MΔ	2.5m	#J	12	10	8.0	400m	5.0uφ	25φ	35mφ	125 †	14p	A	T05	A					
22	2N1969†	150m	10MΔ	2.5m	#J	30	15	20	400m	25u	25φ	20mΔ	50 †Δ	20pφ		T05	A					
23	UPI1345	150m	10M	2.5m	#J	10	8.0	6.0	400m	6.0u	3.0φ	400mφ	65 †	14p	A	T05	A					
24	2N427†	150m	11M	2.5m	#J	30	15	20	400m	4.0uφ	25φ	1.0mΔ	40 †Δ	14p	FA	T05	A					
25	2N518	150m	11M	2.5m	#J	45			125m	6.0u	1.0φ	10mφ	60	12p	A	R32	A					
26#	2G309	150m	12M	2.3m	#J	15			100m	10u	6.0	1.0m	160	12p	Aφ	R177b	A					
27#	2G344	150m	12MΔ	2.3m	#J	15			100m	10u	6.0	1.0m	100 †	8.5p	A	R177b	A					
28#	2G397†	150m	12M	2.5m	#J	30	15	20	200m	6.0u	1.0φ	10mφ	40 †Δ	12p	A	T05	A					
29	2N397†	150m	12M	2.5m	#S	30	15	20	200m	6.0uφ	1.0φ	10mφ	40 †Δ	12p	A	T05	A					
30	2N486	150m	12M	2.5m	#J	12			10m	10u	6.0	1.0m	100	12p	FA	T05	A					
31	3907	150m	12M	2.5m	#J	25			12	200m	20u	15φ	12mφ	45 †	15p	AΔ	T05	A				
32#	ASY59N	150m	12M	2.5m	#J	15	10		12	200m	10u	0.0	10m	100	20pφ	A	T05	A				
33	2N404†	150m	13M	2.5m	#A	25			12	100m	20u	2.0φ	24mφ	40 †	12p	A	T05	A				
34	2N2621	150m	13MΔ	1.8m	#S	15			1.0	100m	16uφ	6.0φ	1.0mφ	15 †Δ	3.5pφ		T05	A				
35	2N2624	150m	13MΔ	1.8m	#S	15			1.0	100m	16uφ	6.0φ	1.0mφ	15 †Δ	3.5pφ		T05	A				
36	2N2627	150m	13MΔ	1.8m	#S	15			50	100m	20uφ	6.0φ	1.0mφ	15 †Δ	3.5pφ		T05	A				
37	UPI404	150m	13M	2.5m	#A	27	150m	12	100m	20u	2.0φ	25mφ	40 †	12p	A	T05	A					
38	2N303	150m	14MΔ	2.5m	#J	30	10	20	200m	1.0uφ	6.0	1.0m	75	12pφ	AF	O3a	F					
39	ASY27	150m	14MΔ	2.5m	#S	25	15	20	200m	7.0u	5.0φ	2.0mφ	90	11p	A	T05	A					
40#	ASY27-RT†	150m	14MΔ	2.5m	#J	25	15	20	200m	7.0u	5.0φ	2.0mφ	90	11pφ	A	T05	A					
41	JAN2N417	150m	15MΔ	2.0m	#J	30	12	12	25u	6.0	1.0m	60 Δ		20pφ		R179q	A					
42	2N522A	150m	15MΔ	2.0m	#S	25	10	10	2.0uφ	5.0φ	1.0m	100 Δ		20pφ	Δ	T05	A					
43	2N1309	150m	15MΔ	2.5m	#J	30	20	25	300m	6.0uφ	1.0φ	10mφ	80 †Δ	20pφ	Δ	T05	A					
44	JAN2N1309	150m	15MΔ	2.5m	#S	30	20	25	300m	6.0uφ	1.0φ	10mφ	80 †Δ	20pφ		T05	A					
45	2N1309A	150m	15MΔ	2.5m	#J	35	35	35	300m	6.0uφ	1.0φ	10mφ	80 †Δ	20pφ	Δ	T05	A					
46	2N2622	150m	15MΔ	1.8m	#S	24			1.0	100m	12uφ	12φ	1.0mφ	15 †Δ	3.5pφ		T05	A				
47	2N2625	150m	15MΔ	1.8m	#S	24			1.0	100m	12uφ	12φ	1.0mφ	15 †Δ	3.5pφ		T05	A				
48	2N2628	150m	15MΔ	1.8m	#S	24			50	100m	14uφ	12φ	1.0mφ	15 †Δ	3.5pφ		T05	A				
49	2N3000	150m	15M	2.5m	#J	45	15	35	400m	50u	5.0	1.0m	110	10p	AΔ	T05	A					
50#	ACV38	150m	15M	2.5m	#S	15	15 #	9.0	100m	2.0uφ	6.0	1.0m	100 *	60u	3.0k	5.0	T05	A				
51	2N2623	150m	16MΔ	1.8m	#S	32			1.0	100m	8.0uφ	12φ	1.0mφ	20 †Δ	3.5pφ		T05	A				
52	2N2626	150m	16MΔ	1.8m	#S	32			1.5	100m	8.0uφ	12φ	1.0mφ	20 †Δ	3.5pφ		T05	A				
53	2N2629	150m	16MΔ	1.8m	#S	32			50	100m	10uφ	12φ	1.0mφ	10 †Δ	3.5pφ		T05	A				
54	2N428†	150m	17M	2.5m	#J	30	12	20	400m	4.0uφ	25φ	1.0mΔ	60 †Δ	14p	FA	T05	A					
55	2N417	150m	20M	2.5m	#J	30	10	20	200m	5.0uφ	6.0φ	1.0m	140	12p	FAφ	T05	A					
56	2N1017	150m	20M	2.5m	#J	30	10	20	400m	25u	35φ	10mΔ	30 †	12p	FAΔ	T05	A					
57	2N523A	150m	21MΔ	2.0m	#S	20	6.0	10	2.0uφ	5.0φ	1.0m	125 Δ		1.5uφzb		T05	A					
58	TR764	150m	25M	2.8m	#J	20			200m	5.0u	4.5	1.0m	200									
59	2N934	150m	35MΔ	2.5m	#S	13	12	1.0	200m	6.0u	.30φ	40mφ	40 †Δ	12pφ	A	T018	Aφ					
60	2N1300†	150m	40MΔ	2.5m	#A	13	12	1.0	100m	3.0uφ	.30φ	10mφ	50		ME	T05	A					
61	2N1854	150m	40MΔ	2.5m	#J	18			2.0	100m	4.2u	5.0φ	20m	40 Δ	12pφ		T05	A				
62	JAN2N1854†	150m	40MΔ	3.7m	#S	18			2.0	100m	40uφ†	.75φ	100mφ	25 †Δ		Δ	R179g	A				
63	2N1301†	150m	40MΔ	2.5m	#A	13	12	4.0	100m	3.0uφ	.30	10mφ	50		DM	T05	A					
64	UPI1301	150m	60M	2.5m	#A	13	12	4.0	100m	3.0u	.30	10mφ	50 †		DM	O3e	A					
65	2N1683†	150m	80M	2.0m	#A	13	12	4.0	100m	3.0uφ	.50φ	40mφ	85 †	8.0p	ME	T05	A					
66#	2G106†	150m	120MΔ	2.0m	#A	18	15	4.0	100m	100u	.25φ	10mφ	30 †Δ	5pφ	ME	T018	A					
67	2N2512	150m	140MΔ	3.0m	#S	70	70	1.0	30m	5.0uφ	6.0φ	10mφ	40 Δ	5.0pφ		T012	G					
68	2N711A†	150m	150MΔ	2.0m	#S	15	7.0	1.5	100m	1.5uφ	.50φ	10mφ	25 †Δ	6pφ	ME	T018	Aφ					
69	2N711B†	150m	150MΔ	2.0m	#S	18	7.0	2.0	100m	1.5uφ	.50φ	10mφ	30 †Δ	6pφ	ME	T018	Aφ					
70	2N2048†	150m	150MΔ	2.0m	#S	20	15	2.0	100m	5.0uφ	.50φ	10mφ	50 †Δ	3.0pφ		T09	A					
71	2N2048A†	150m	150MΔ	2.0m	#S	30	20	2.5	3.0u	.50φ	.50φ	50mφ	40 †Δ	3.0pφ		T09	A					
72	2N2400†	150m	150MΔ	2.0m	#S	12	7.0	1.0	100m	3.0uφ	.50φ	10mφ	30 †Δ	4pφ		T018	A					
73	2N2635†	150m	150MΔ	2.0m	#S	30	15	2.5	100m	5.0uφ	1.0φ	50mφ	45 †Δ	5.0pφ		T018	Aφ					
74	2N2942†	150m	150MΔ	2.0m	#S	50	25	2.5	100m	25u	.50φ	50mφ	40 †Δ	3.5pφ	D	T09	A					
75	2N3400†	150m	150MΔ	2.0m	#S	20	20	2.0	100m	5.0uφ	.50φ	50mφ	35 †Δ	3pφ		T09	A					
76	2N2401†	150m	200MΔ	2.0m	#S	15	10	1.5	100m	1.5uφ	.50φ	10mφ	50 †Δ	4pφ		T018	A					
77	2N2955†	150m	200MΔ	2.0m	#S	40	25	3.5	100m	1.0φ	1.0φ	10mφ	20 †Δ			T018	Aφ					
78	2N3323	150m	200MΔ	2.0m	#J	35	35	3.0	100m	10uφ	10φ	3.0mφ	30 Δ	3pφ		T018	A					
79	2N3324	150m	200MΔ	2.0m	#J	35	35	3.0	100m	10uφ	10φ	3.0mφ	30 Δ	3pφ		T018	A					
80	2N3325	150m	200MΔ	2.0m	#J	35	35	3.0	100m	10uφ	10φ	3.0mφ	30 Δ	3pφ		T018	A					
81	2N6365	150m	200MΔ	2.0m	#																	