

# 12. SWITCHING TRANSISTORS

IN ORDER OF (1) MAX RISE TIME, (2) fab & (3) TYPE No.

LINE No.	TYPE No.	fab (Hz)	MAX RISE TIME tr (s)	MAX DELAY TIME td (s)	MAX STORE TIME ts (s)	MAX FALL TIME tf (s)	MAX. Pc IN FREE AIR @ 25°C (W)	BIAS			MAX. SAT. RES. (Ω)	Cob (F)	r <sub>bb</sub> X Cob (s)	STRUCTURE P-N-PN	M A T	MAX. TEMP (°C)	Y200 s/a TO200 Ser	DWG #	L E O A D E
								Vcb (V)	Ic (A)	hFE									
1	164-24		6.0u∅				200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m			N-A	Si	175J	T33	A∅	
2	164-24SPC		6.0u∅			12u∅	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m			N-A	Si	175J	T33	A∅	
3	164-26SPC		6.0u∅			12u∅	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m			N	Si	175J	T33	A∅	
4	164-28SPC		6.0u∅			12u∅	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m			N	Si	175J	T33	A∅	
5	164-30SPC		6.0u∅			12u∅	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m			N	Si	175J	T33	A∅	
6	3N46	12kt	6000n∅			1.2u∅	75 ∅	2.0 ∅	10m	27			P-A <sup>§</sup>	Ge	100J	TO15	GB		
7	2N1015	.02Mf	6000n∅		20u∅		700m∅	4.0 ∅	2 ∅	10 ∆			N	Si	150J	T1	B		
8	2N1015A	.02Mf	6000n∅		20u∅		700m∅	4.0 ∅	2 ∅	10 ∆			N	Si	150J	T1	B		
9	2N1015B	.02Mf	6000n∅		20u∅		700m∅	4.0 ∅	2 ∅	10 ∆			N	Si	150J	T1	B		
10	2N1015D	.02Mf	6000n∅		20u∅		700m∅	4.0 ∅	2 ∅	10 ∆			N	Si	150J	T1	B		
11	2N1015E	.02Mf	6000n∅		20u∅		700m∅	4.0 ∅	2 ∅	10 ∆			N	Si	150J	T1	B		
12	2N1015F	.02Mf	6000n∅		20u∅		700m∅	4.0 ∅	2 ∅	10 ∆			N	Si	150J	T1	B		
13	2N1015F	.02Mf	6000n∅		20u∅		700m∅	4.0 ∅	2 ∅	10 ∆			N	Si	150J	T1	B		
14	2N1018	20kt	6.0u∅			10u∅	150 ∅	4.0 ∅	5.0 ∅	10 ∆	500m		N-F	Si	150J	T1	B		
15	2N1018A	20kt	6.0u∅			10u∅	150 ∅	4.0 ∅	5.0 ∅	10 ∆	500m		N-F	Si	150J	T1	B		
16	2N1018B	20kt	6.0u∅			10u∅	150 ∅	4.0 ∅	5.0 ∅	10 ∆	500m		N-F	Si	150J	T1	B		
17	2N1018C	20kt	6.0u∅			10u∅	150 ∅	4.0 ∅	5.0 ∅	10 ∆	500m		N-F	Si	150J	T1	B		
18	2N1018D	20kt	6.0u∅			10u∅	150 ∅	4.0 ∅	5.0 ∅	10 ∆	500m		N-F	Si	150J	T1	B		
19	2N1018E	20kt	6.0u∅			10u∅	150 ∅	4.0 ∅	5.0 ∅	10 ∆	500m		N-F	Si	150J	T1	B		
20	2N1018F	20kt	6.0u∅			10u∅	150 ∅	4.0 ∅	5.0 ∅	10 ∆	500m		N-F	Si	150J	T1	B		
21	2N2584	30kt∆	6.0u∅	6.0u	5.0u	10u∅	150 ∅	5.0 ∅	5.0m	10 ∆	14		N	Si	150C	TO36	C∅		
22	2N2585	30kt∆	6.0u∅	6.0u	5.0u	10u∅	150 ∅	5.0 ∅	10m	10 ∆	1.0		N	Si	150C	TO36	C∅		
23	2N3079	.03Mf∆	6000n∅	6.0u	5.0u	10u∅	150 ∅	5.0 ∅	5.0m∅	10 ∆	14		N	Si	150C	TO36	C∅		
24	2N3080	.03Mf∆	6000n∅	6.0u	5.0u	10u∅	150 ∅	5.0 ∅	5.0m∅	10 ∆	14		N	Si	150C	TO36	C∅		
25	163-04	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
26	163-05	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
27	163-06	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
28	163-07	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
29	163-08	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
30	163-09	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
31	163-10	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
32	163-12	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
33	163-14	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
34	163-18	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
35	163-18	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
36	163-20	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	15 ∆	220m	1.5n∅		N-A	Si	175A	T33	A∅		
37	164-04	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
38	164-05	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
39	164-06	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
40	164-07	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
41	164-08	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
42	164-09	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
43	164-10	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
44	164-12	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
45	164-14	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
46	164-18	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
47	164-18	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
48	164-20	250k∆	6.0u∅	5.0u	7.0u	200 ∅	4.0 ∅	5.0 ∅	25 ∆	200m	1.5n∅		N-A	Si	175A	T33	A∅		
49	DTG1010	450k∆	6.0u∅	1.6u∅	700nt	106 ∅	105	2.0	4.0	25 ∆	160m		P	Ge	110J	TO3	C∅		
50	DTG1110	450k∆	6.0u∅	1.6u∅	700nt	106 ∅	105	2.0	4.0	25 ∆	160m		P	Ge	110J	TO3	C∅		
51	DTG1110B	450k∆	6000n∅	1.6u	1.4u	105	105	2.0	4.0	25 ∆	160m		P-D	Ge	110	TO3	C∅		
52	2N3667	500k∆	6.0u∅	1.6u	12u∅	117 ∅	105	3.0	8.0	15 # ∆	160m		N	Si	200J	TO3	C∅		
53	DTG1210A	700k∆	6000n∅	1.6u	1.4u	105	105	2.0	1.0	35	160m		P-D	Ge	110	TO3	C∅		
54	2N5559	.80M∆	6.0u∅	1.6u	8u∅	100 ∅	105	2.0	4.0	20 ∆	19		N	Si	200J	TO3	C∅		
55	JAN2N3055	4.0M∆	6.0u∅	1.6u	12u∅	117 ∅	105	4.0	500m∅	40 ∆ #	200m #	400p∆	N	Si	200J	TO3	C∅		
56	2N557	6.5u	2.5u∅		100m	200m∅	100m	1.0m∆	20 ∆	2.5	20p∆		N-A	Ge	85J	TO5	A		
57	2N2751	7000n∅	13u∅		20m∅	12 ∅	5.0 ∅	20 ∆	20 ∆	.07			N	Si	175C	T1	B		
58	2N2752	7000n∅	13u∅		20m∅	12 ∅	5.0 ∅	20 ∆	20 ∆	.07			N	Si	175C	T1	B		
59	2N2753	7000n∅	13u∅		20m∅	12 ∅	5.0 ∅	20 ∆	20 ∆	.07			N	Si	175C	T1	B		
60	2N2754	7000n∅	13u∅		20m∅	12 ∅	5.0 ∅	20 ∆	20 ∆	.07			N	Si	175C	T1	B		
61	2N2755	7.0u∅	13u∅		200 ∅	4.0 ∅	20 ∅	10 ∆	10 ∆	.07			N	Si	175C	T1b	B		
62	2N2756	7.0u∅	13u∅		200 ∅	4.0 ∅	20 ∅	10 ∆	10 ∆	.07			N	Si	175C	T1b	B		
63	2N2769	7000n∅	13u∅		20m∅	12 ∅	5.0 ∅	20 ∆	20 ∆	.07			N	Si	175C	T33	A		
64	2N2770	7000n∅	13u∅		20m∅	12 ∅	5.0 ∅	20 ∆	20 ∆	.07			N	Si	175C	T33	A		
65	2N2771	7000n∅	13u∅		20m∅	12 ∅	5.0 ∅	20 ∆	20 ∆	.07			N	Si	175C	T33	A		
66	2N2772	7000n∅	13u∅		20m∅	12 ∅	5.0 ∅	20 ∆	20 ∆	.07			N	Si	175C	T33	A		
67	2N2773	7.0u∅	13u∅		200 ∅	4.0 ∅	20 ∅	10 ∆	10 ∆	.07			N	Si	175C	T33	A		
68	2N2774	7.0u∅	13u∅		200 ∅	4.0 ∅	20 ∅	10 ∆	10 ∆	.07			N	Si	175C	T33	A		
69	JAN2N5926	7.0u∅	4.0u	6.0u∅	300 ∅ #	4.0 ∅	90 ∅	5.0 ∅	40 ∆ #				N	Si	200A	T69d	A		
70	JAN2N5927	7.0u∅	4.0u	6.0u∅	300 ∅ #	4.0 ∅	120 ∅	5.0 ∅	40 ∆ #				N	Si	200A	T69c	B		
71	2N5928	7.0u	3.0u	200 ∅	200 ∅	4.0 ∅	100 ∅	2.0 ∅	100 ∅	10 ∆ #			N	Si	200J	TO114	A∅		
72	151-04SPC	7.0u∅	14n∅		100	4.0 ∅	1.5m∅	11 ∆	11 ∆	870m			N-A	Si	150J	T1	B		
73	151-08SPC	7.0u∅	14u∅		100 ∅	4.0 ∅	1.5m∅	11 ∆	11 ∆	870m			N-A	Si	150J	T1	B		
74	151-08SPC	7.0u∅	14u∅		100 ∅	4.0 ∅	1.5m∅	11 ∆	11 ∆	870m			N-A	Si	150J	T1	B		
75	151-10SPC	7.0u∅	14u∅		100 ∅	4.0 ∅	1.5m∅	11 ∆	11 ∆	870m			N-A	Si	150J	T1	B		
76	151-12SPC	7.0u∅	14u∅		100 ∅	4.0 ∅	1.5m∅	11 ∆	11 ∆	870m			N-A	Si	150J	T1	B		
77	151-14SPC	7.0u∅	14u∅		100 ∅	4.0 ∅	1.5m∅	11 ∆	11 ∆	870m			N-A	Si	150J	T1	B		
78	151-16SPC	7.0u∅	14u∅		100 ∅	4.0 ∅	1.5m∅	11 ∆	11 ∆	870m			N-A	Si	150J	T1	B		
79	151-18SPC	7.0u∅	14u∅		100 ∅	4.0 ∅	1.5m∅	11 ∆	11 ∆	870m			N-A	Si	150J				