

# 12. SWITCHING TRANSISTORS

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

LINE No.	3 TYPE No.	2 fab (Hz)	1 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	#	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	Ø
2	164-24SPC		6.0u			12u	200	4.0	5.0	25	200m			N-A	Si	175J	T33	A	Ø
3	164-26SPC		6.0u			12u	200	4.0	5.0	25	200m			N	Si	175J	T33	A	Ø
4	164-28SPC		6.0u			12u	200	4.0	5.0	25	200m			N	Si	175J	T33	A	Ø
5	164-30SPC		6.0u			12u	200	4.0	5.0	25	200m			N	Si	175J	T33	A	Ø
6	3N46	12kt	6000n			1.2u	75	2.0	10m	27			P-A	Ge	100J	TO15	GB		
7	2N1015	.02M	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B	B	
8	2N1015A	.02M	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B	B	
9	2N1015B	.02M	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B	B	
10	2N1015D	.02M	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B	B	
11	2N1015E	.02M	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B	B	
12	2N1015F	.02M	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B	B	
13	2N1015F	.02M	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B	B	
14	2N1018	20kt	6.0u			10u	150	4.0	5.0	10	500m		N-F	Si	150J	T1	B	B	
15	2N1018A	20kt	6.0u			10u	150	4.0	5.0	10	500m		N-F	Si	150J	T1	B	B	
16	2N1018B	20kt	6.0u			10u	150	4.0	5.0	10	500m		N-F	Si	150J	T1	B	B	
17	2N1018C	20kt	6.0u			10u	150	4.0	5.0	10	500m		N-F	Si	150J	T1	B	B	
18	2N1018D	20kt	6.0u			10u	150	4.0	5.0	10	500m		N-F	Si	150J	T1	B	B	
19	2N1018E	20kt	6.0u			10u	150	4.0	5.0	10	500m		N-F	Si	150J	T1	B	B	
20	2N1018F	20kt	6.0u			10u	150	4.0	5.0	10	500m		N-F	Si	150J	T1	B	B	
21	2N2584	30kt	6.0u	6.0u	5.0u		150	5.0	5.0m	10	14		N	Si	150C	TO36		CØ	
22	2N2585	30kt	6.0u	6.0u	5.0u		150	5.0	10m	10	1.0		N	Si	150C	TO36		CØ	
23	2N3079	.03M	6000n	6.0u	5.0u		150	5.0	5.0m	10	14		N	Si	150C	TO36		CØ	
24	2N3080	.03M	6000n	6.0u	5.0u		150	5.0	5.0m	10	14		N	Si	150C	TO36		CØ	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
34	163-16	250k	6.0u	5.0u	7.0u		200	4.0	5.0	15	220m	1.5n	N-A	Si	175A	T33	A	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
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	Ø	
49	DTG1010	450k	6.0u	1.6u	7.0u	106	105	2.0	4.0	25	160m		P	Ge	110J	TO3		CØ	
50	DTG1110	450k	6.0u	1.6u	7.0u	106	105	2.0	4.0	25	160m		P	Ge	110J	TO3		CØ	
51	DTG1110B	450k	6000n	1.6u	1.4u	105	105	2.0	4.0	25	160m		P-D	Ge	110	TO3		CØ	
52	2N3667	500k	6.0u	1.2u	117	105	105	3.0	8.0	15	160m		N	Si	200J	TO3		CØ	
53	DTG1210A	700k	6000n	1.6u	1.4u	105	105	2.0	1.0	35	160m		P-D	Si	110	TO3		CØ	
54	2N5559	.80M	6.0u	1.6u	8u	100	100	2.0	4	20	19		N	Si	200J	TO3		CØ	
55	JAN2N3055	4.0M	6.0u	1.2u	117	105	105	4.0	500m	40	200m	400p	N	Si	200J	TO3		CØ	
56	2N557	6.5u	2.5u	100m	200m	12	12	1.0m	20	17	2.5	700p	N-A	Ge	85J	TO5	A	B	
57	2N2751	7000n	13u	20ms	12	20	12	5.0	20	17	.07		N	Si	175C	T1	B	B	
58	2N2752	7000n	13u	20ms	12	20	12	5.0	20	17	.07		N	Si	175C	T1	B	B	
59	2N2753	7000n	13u	20ms	12	20	12	5.0	20	17	.07		N	Si	175C	T1	B	B	
60	2N2754	7000n	13u	20ms	12	20	12	5.0	20	17	.07		N	Si	175C	T1	B	B	
61	2N2755	7.0u	13u	200	4.0	20	20	10	10	17	.07		N	Si	175C	T1b	B	B	
62	2N2756	7.0u	13u	200	4.0	20	20	10	10	17	.07		N	Si	175C	T1b	B	B	
63	2N2769	7000n	13u	20ms	12	20	12	5	20	17	.07		N	Si	175C	T33	A	A	
64	2N2770	7000n	13u	20ms	12	20	12	5	20	17	.07		N	Si	175C	T33	A	A	
65	2N2771	7000n	13u	20ms	12	20	12	5	20	17	.07		N	Si	175C	T33	A	A	
66	2N2772	7000n	13u	20ms	12	20	12	5	20	17	.07		N	Si	175C	T33	A	A	
67	2N2773	7.0u	13u	200	4.0	20	20	10	10	17	.07		N	Si	175C	T33	A	A	
68	2N2774	7.0u	13u	200	4.0	20	20	10	10	17	.07		N	Si	175C	T33	A	A	
69	JAN2N5926	7.0u	4.0u	6.0u	300	300	300	4.0	90	5.0	200m		N	Si	200A	T69d	A	A	
70	JAN2N5927	7.0u	4.0u	6.0u	300	300	300	4.0	120	5.0	200m		N	Si	200A	T69c	B	A	
71	2N5928	7.0u	3.0u	200	4.0	20	20	2.0	100	10	11		N	Si	200J	TO114	A	Ø	
72	151-04SPC	7.0u	14n	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
73	151-08SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
74	151-08SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
75	151-10SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
76	151-12SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
77	151-14SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
78	151-16SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
79	151-18SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
80	151-20SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
81	151-22SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-A	Si	150J	T1	B	B	
82	151-24	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-F	Si	150J	T1	B	B	
83	151-26SPC	7.0u	14u	100	4.0	1.5m	11	11	11	11	870m		N-F	Si					