

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 _{bb} 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	AØ		
2	164-24SPC		6.0u			12u	200	4.0	5.0	25	200m		N-A	Si	175J	T33	AØ		
3	164-26SPC		6.0u			12u	200	4.0	5.0	25	200m		N	Si	175J	T33	AØ		
4	164-28SPC		6.0u			12u	200	4.0	5.0	25	200m		N	Si	175J	T33	AØ		
5	164-30SPC		6.0u			12u	200	4.0	5.0	25	200m		N	Si	175J	T33	AØ		
6	3N46	12kt	6000n			1.2u	75	2.0	10m	27			P-A\$	Ge	100J	TO15	GB		
7	2N1015	.02Mf	6000n				700m	4.0	2.0	10			N	Si	150J	T1	B		
8	2N1015A	.02Mf	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B		
9	2N1015B	.02Mf	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B		
10	2N1015D	.02Mf	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B		
11	2N1015E	.02Mf	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B		
12	2N1015F	.02Mf	6000n		20u		700m	4.0	2.0	10			N	Si	150J	T1	B		
13	2N1015F	.02Mf	6000n		20u		700m	4.0	2.0	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	CØ		
22	2N2585	30kt	6.0u	6.0u	5.0u	10u	150	5.0	10m	10	1.0		N	Si	150C	TO36	CØ		
23	2N3079	.03Mf	6000n	6.0u	5.0u	10u	150	5.0	5.0m	10	14		N	Si	150C	TO36	CØ		
24	2N3080	.03Mf	6000n	6.0u	5.0u	10u	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	AØ		
26	163-05	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
27	163-06	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
28	163-07	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
29	163-08	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
30	163-09	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
31	163-10	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
32	163-12	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
33	163-14	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
34	163-18	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
35	163-18	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
36	163-20	250k	6.0u	5.0u	7.0u	200	4.0	5.0	15	220m	1.5n		N-A	Si	175A	T33	AØ		
37	164-04	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
38	164-05	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
39	164-06	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
40	164-07	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
41	164-08	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
42	164-09	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
43	164-10	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
44	164-12	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
45	164-14	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
46	164-18	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
47	164-18	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
48	164-20	250k	6.0u	5.0u	7.0u	200	4.0	5.0	25	200m	1.5n		N-A	Si	175A	T33	AØ		
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	110J	TO3	CØ		
52	2N3667	500k	6.0u	1.2u	117	117	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	Ge	110J	TO3	CØ		
54	2N5559	.80M	6.0u	1.6u	1.4u	105	105	2.0	4.0	20	19		N	Si	200J	TO3	CØ		
55	JAN2N3055	4.0M	6.0u	1.2u	117	117	4.0	500m	40	#	200m#	400p\$	N	Si	200J	TO3	CØ		
56	2N557	6.5u	2.5u	100m	200m	12	12	5.0	20	17	2.5	700p\$	N-A	Ge	85J	TO5	A		
57	2N2751	7000n	13u	20m	12	12	5.0	20	17	.07			N	Si	175C	T1	B		
58	2N2752	7000n	13u	20m	12	12	5.0	20	17	.07			N	Si	175C	T1	B		
59	2N2753	7000n	13u	20m	12	12	5.0	20	17	.07			N	Si	175C	T1	B		
60	2N2754	7000n	13u	20m	12	12	5.0	20	17	.07			N	Si	175C	T1	B		
61	2N2755	7.0u	13u	200	4.0	20	20	10	17	.07			N	Si	175C	T1b	B		
62	2N2756	7.0u	13u	200	4.0	20	20	10	17	.07			N	Si	175C	T1b	B		
63	2N2769	7000n	13u	20m	12	12	5.0	20	17	.07			N	Si	175C	T33	A		
64	2N2770	7000n	13u	20m	12	12	5.0	20	17	.07			N	Si	175C	T33	A		
65	2N2771	7000n	13u	20m	12	12	5.0	20	17	.07			N	Si	175C	T33	A		
66	2N2772	7000n	13u	20m	12	12	5.0	20	17	.07			N	Si	175C	T33	A		
67	2N2773	7.0u	13u	200	4.0	20	20	10	17	.07			N	Si	175C	T33	A		
68	2N2774	7.0u	13u	200	4.0	20	20	10	17	.07			N	Si	175C	T33	A		
69	JAN2N5926	7.0u	4.0u	6.0u	300	#	4.0	90	5.0	#			N	Si	200A	T69d	A		
70	JAN2N5927	7.0u	4.0u	6.0u	300	#	4.0	120	5.0	#			N	Si	200A	T69c	B		
71	2N5928	7.0u	3.0u	200	4.0	100	100	2.0	100	10	#		N	Si	200J	TO114	AØ		
72	151-04SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
73	151-08SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
74	151-08SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
75	151-10SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
76	151-12SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
77	151-14SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
78	151-16SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
79	151-18SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
80	151-20SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
81	151-22SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-A	Si	150J	T1	B		
82	151-24	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-F	Si	150J	T1	B		
83	151-26SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-F	Si	150J	T1	B		
84	151-28SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-F	Si	150J	T1	B		
85	151-30SPC	7.0u	14u	100	4.0	1.5m	11	11	11	870m			N-F	Si	150J	T1	B		
86	152-04SPC	7.0u	14u	100	4.0	1.5m	18	18	18	870m			N-A	Si	150J	T1	B		
87	152-06SPC	7.0u	14u	100															