

# 12. SWITCHING TRANSISTORS

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

LINE No.	TYPE No.	fab	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-PNP N-NPN	M T	MAX. TEMP (°C)	DWG # Y200 s/a TO200 Ser.	L E A D E
								Vcb (V)	le (A)	hFE								
1	1748-0820	30MΔ	600n		550n	350n	114	4.0	30	12	50m	800p	N-E	Si	200A	T063	A	
2	1748-1220	30MΔ	600n		550n	350n	114	4.0	30	12	50m	800p	N-E	Si	200A	T063	A	
3	1748-1620	30MΔ	600n		550n	350n	114	4.0	30	12	50m	800p	N-E	Si	200A	T063	A	
4	1748-1820	30MΔ	600n		550n	350n	114	4.0	30	12	50m	800p	N-E	Si	200A	T063	A	
5	2N5218	40.0MΔ	600n	600n	4.5u	1.0u	50	5.0	50m	75	30	50p	N	Si	200C	T061	A	
6	U2TA506	40MΔ	600n		1.5u	800n	625m	5.0	750m	500	500m	50p	N	Si	150A	T092	KC	
7	U2TA508	40MΔ	600n		1.5u	800n	625m	5.0	750m	500	500m	50p	N	Si	150A	T092	KC	
8	U2TA510	40MΔ	600n		1.5u	800n	625m	5.0	750m	500	500m	50p	N	Si	150A	T092	KC	
9	2N6674	50MΔ	600n	100n	2.5u	500n	175	2.0	10	8.0	333m	500p	N	Si	200S	Y204a	C	
10	2N6675	50MΔ	600n	100n	2.5u	500n	175	2.0	10	8.0	333m	500p	N	Si	200S	Y204a	C	
11	2N6676	50MΔ	600n	100n	2.5u	500n	175	3.0	15	8.0	100m	500p	N	Si	200S	Y204a	C	
12	2N6677	50MΔ	600n	100n	2.5u	500n	175	3.0	15	8.0	100m	500p	N	Si	200S	Y204a	C	
13	2N6678	50MΔ	600n	100n	2.5u	500n	175	3.0	15	8.0	100m	500p	N	Si	200S	Y204a	C	
14	2N6689	50MΔ	600n	100n	2.5u	500n	175	2.0	10	20	150m	500p	N	Si	200J	T061	A	
15	2N6690	50MΔ	600n	100n	2.5u	500n	175	2.0	10	20	150m	500p	N	Si	200J	T061	A	
16	GSDB10008	50MΔ	600n	200n	400n		15	5.0	10	20	120m	150p	N-D	Si	200J	T05	A	
17#	BUX34	60MΔ	600n		1.2u	200n	10	2.0	2.0	60	25p	100p	N-PL	Si	175S	R216h	A	
18#	BFX34	70MΔ	600n		1.2u	200n	5.0	2.0	2.0	150	100p	100p	P-PE	Si	200J	T039	A	
19	SDM3100	70MΔ	600n		2.5u	20	20	5.0	5.0	1.0k	600m	50p	N	Si	200J	F24a	CD	
20	SDM3101	70MΔ	600n		2.5u	20	20	5.0	5.0	1.0k	600m	50p	N	Si	200J	F24a	CD	
21	SDM3102	70MΔ	600n		2.5u	20	20	5.0	5.0	1.0k	600m	50p	N	Si	200J	F24a	CD	
22	SDM3103	70MΔ	600n		2.5u	20	20	5.0	2.5	1.0k	800m	50p	N	Si	200J	F24a	CD	
23	SDM3104	70MΔ	600n		2.5u	20	20	5.0	2.5	1.0k	800m	50p	N	Si	200J	F24a	CD	
24	SDM3105	70MΔ	600n		2.5u	20	20	5.0	2.5	1.0k	800m	50p	N	Si	200J	F24a	CD	
25	SDM3200	70MΔ	600n		1.5u	20	20	5.0	5.0	1.0k	600m	50p	P	Si	200J	F24a	CD	
26	SDM3201	70MΔ	600n		1.5u	20	20	5.0	5.0	1.0k	600m	50p	P	Si	200J	F24a	CD	
27	SDM3202	70MΔ	600n		1.5u	20	20	5.0	5.0	1.0k	600m	50p	P	Si	200J	F24a	CD	
28	SDM3203	70MΔ	600n		1.5u	20	20	5.0	2.5	1.0k	800m	50p	P	Si	200J	F24a	CD	
29	SDM3204	70MΔ	600n		1.5u	20	20	5.0	2.5	1.0k	800m	50p	P	Si	200J	F24a	CD	
30	SDM3205	70MΔ	600n		1.5u	20	20	5.0	2.5	1.0k	800m	50p	P	Si	200J	F24a	CD	
31	SDM3300	70MΔ	600n		2.5u	5.0	5.0	5.0	5.0	1.0k	600m	50p	N	Si	200J	T033	KM	
32	SDM3301	70MΔ	600n		2.5u	5.0	5.0	5.0	5.0	1.0k	600m	50p	N	Si	200J	T033	KM	
33	SDM3302	70MΔ	600n		2.5u	5.0	5.0	5.0	5.0	1.0k	600m	50p	N	Si	200J	T033	KM	
34	SDM3303	70MΔ	600n		2.5u	5.0	5.0	5.0	2.5	1.0k	800m	50p	N	Si	200J	T033	KM	
35	SDM3304	70MΔ	600n		2.5u	5.0	5.0	5.0	2.5	1.0k	800m	50p	N	Si	200J	T033	KM	
36	SDM3305	70MΔ	600n		2.5u	5.0	5.0	5.0	2.5	1.0k	800m	50p	N	Si	200J	T033	KM	
37	SDM3400	70MΔ	600n		1.5u	5.0	5.0	5.0	5.0	1.0k	600m	50p	P	Si	200J	T033	KM	
38	SDM3401	70MΔ	600n		1.5u	5.0	5.0	5.0	5.0	1.0k	600m	50p	P	Si	200J	T033	KM	
39	SDM3402	70MΔ	600n		1.5u	5.0	5.0	5.0	5.0	1.0k	600m	50p	P	Si	200J	T033	KM	
40	SDM3403	70MΔ	600n		1.5u	5.0	5.0	5.0	2.5	1.0k	800m	50p	P	Si	200J	T033	KM	
41	SDM3404	70MΔ	600n		1.5u	5.0	5.0	5.0	2.5	1.0k	800m	50p	P	Si	200J	T033	KM	
42	SDM3405	70MΔ	600n		1.5u	5.0	5.0	5.0	2.5	1.0k	800m	50p	P	Si	200J	T033	KM	
43	JAN2N6211	100MΔ	600n		3.1u	35	35	2.8	1.0	10	220p	20p	P	Si	200J	T066	C	
44	JAN2N6212	100MΔ	600n		3.1u	35	35	3.2	1.0	10	220p	20p	P	Si	200J	T066	C	
45	JAN2N6213	100MΔ	600n		3.1u	35	35	4.0	1.0	10	220p	20p	P	Si	200J	T066	C	
46#	BSV64	100MΔ	600n		1.2u	5.0	2.0	2.0	40	30	200m	80p	N-PE	Si	175J	T039	A	
47	2N396A	5.0M	650n	200n	800n	400n	200m	3.5	200m	15	4.0	20p	P	Ge	100S	T05	A	
48	40403	5.0MΔ	650n	200n	800n	400n	200m	1.0	10m	30	4.0	20p	P	Ge	85	T05	A	
49	2N3439	15MΔ	650n		1.9u	60u	10	10	20m	30	10	10p	N	Si	200J	T05	A	
50	2N3440	15MΔ	650n		1.9u	60u	10	10	20m	160	10	10p	N	Si	200J	T05	A	
51	2N316A	700n	700n		700n	800n	150m	250m	1.0m	45	900m		P	Ge	100S	T05	A	
52	2N2636	700n	3.5u		4.0u	100	2.0	10	35	26m			P	Ge	110C	T041	C	
53	2N2637	700n	3.5u		4.0u	100	2.0	10	35	26m			P	Ge	110C	T041	C	
54	2N2638	700n	3.5u		3.5u	100	2.0	10	35	26m			P	Ge	110C	T041	C	
55#	BUR24	700n	3.0u		80u	250							NPE	Si	200J	T03	C	
56	D44TE3	700n	3.5u	100n	900n	2.0	5.0	5.0	1.0	90			N	Si	150J	Y220a	D	
57	D44TE5	700n	3.5u	100n	900n	2.0	5.0	5.0	1.0	90			N	Si	150J	Y220a	D	
58	MJ13332	700n	4.0u	100n	700n	175	5.0	5.0	10	250m	500p		N	Si	200J	T03	C	
59	MJ13333	700n	4.0u	100n	700n	175	5.0	5.0	10	250m	500p		N	Si	200J	T03	C	
60	MJ13334	700n	4.0u	100n	700n	175	5.0	5.0	10	250m	500p		N	Si	200J	T03	C	
61	MJ13335	700n	4.0u	100n	700n	175	5.0	5.0	10	250m	500p		N	Si	200J	T03	C	
62	NTA959	700n	1.0u	100n	300n	50	5.0	7.0	15	20			N	Si	200J	T03	C	
63	NTC1863	700n	1.0u	100n	300n	50	5.0	7.0	15	20			N	Si	200J	T03	C	
64	XGSA5030#	700n	2.2u		65u	10	5.0	5.0	10	250p			N	Si	200J	T05	A	
65	XGSA5035#	700n	2.2u		65u	10	5.0	5.0	10	250p			N	Si	200J	T05	A	
66	2N2000	2.0MΔ	700n	120n	650n	300m	50	500m	300	700m	35p		N	Si	100S	T05	A	
67	IR3771	2.0MΔ	700n		1.0u	800n	200	4.0	30	5.0	133m		N	Si	200J	T03	C	
68	IR3772	2.0MΔ	700n		1.0u	800n	200	4.0	30	5.0	150m		N	Si	200J	T03	C	
69	MJ3771	2.0MΔ	700n		1.0u	800n	200	4.0	8.0	5.0	500m		N	Si	200J	T03	C	
70	MJ3772	2.0MΔ	700n		1.0u	800n	200	4.0	30	5.0	100m		N	Si	200J	T03	C	
71	MJ6257	2.0MΔ	700n		1.0u	800n	200	4.0	20	5.0	150m		N	Si	200J	T03	C	
72	PTC174	2.0MΔ	700n		1.1u	250	2.0	4.0	20	20			P	Si	200J	T03	C	
73	PTC175	2.0MΔ	700n		1.1u	250	2.0	4.0	20	20			P	Si	200J	T03	C	
74	2N438A	2.5MΔ	700n		800n	500n	150m	1.0	50m	25	5.0	20p	N	Si	85J	T05	A	
75	2N1993	3.0MΔ	700n	120n	500n	800n	150m	1.0	10m	50	20	20p	N	Si	100J	T05	A	
76	2N5867	4.0MΔ	700n		1.0u	800n	87	4.0	3.0	4.0	500m	200p	P	Si	200J	T03	C	
77	2N5868	4.0MΔ	700n		1.0u	800n	87	4.0	3.0	4.0	500m	200p	P	Si	200J	T03	C	
78	2N5869	4.0MΔ	700n		1.0u	800n	87	4.0	5.0	4.0	500m	150p	N	Si	200J	T03	C	
79	2N5870	4.0MΔ	700n		1.0u	800n	87	4.0	5.0	4.0	500m	150p	N	Si	200J	T03	C	
80	2N5871	4.0MΔ	700n		1.0u	800n	115	4.0	7.0	4.0	250m	300p	N	Si	200J	T03	C	
81	2N5872	4.0MΔ	700n		1.0u	800n	115	4.0	7.0	4.0	250m	300p	P	Si	200J	T03	C	
82	2N5873	4.0MΔ	700n		1.0u	800n	115	4.0	7.0	4.0	250m	250p	N	Si	200J	T03	C	
83	2N5874	4.0MΔ	700n		1.0u	800n	115	4.0	7.0	4.0	250m	250p	N	Si	200J	T03	C	
84	2N5875	4.0MΔ	700n															