

# 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. P <sub>c</sub> IN FREE AIR @ 25°C (W)	BIAS			MAX. SAT. RES. (Ω)	Cob (F)	r <sub>bb</sub> X Cob (s)	STRUCTURE P-NPN N-PNP	M A T	MAX. TEMP (°C)	DWG # Y200 s/a TO200 Ser.	L C O A D E
								V <sub>cb</sub> (V)	I <sub>e</sub> (A)	h <sub>FE</sub>								
1	151-20	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	11 Δ	866m		N-A	Si	150A	T1	B	
2	151-22	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	11 Δ	866m		N-A	Si	150A	T1	B	
3	152-04	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
4	152-05	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
5	152-06	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
6	152-07	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
7	152-08	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
8	152-09	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
9	152-10	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
10	152-12	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
11	152-14	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
12	152-16	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
13	152-18	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
14	152-20	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
15	152-22	250kΔ	7.0u∅		14u∅		175 ∅	4.0 ∅	1.5 ∅	18 Δ	833m		N-A	Si	150A	T1	B	
16	2N4296	20.0MΔ	7000∅		10u∅		20m∅	10 ∅	50m∅	150 ∅	6.0p∅		N	Si	175	T066	C∅	
17	2N4297	20.0MΔ	7000∅		10u∅		20m∅	10 ∅	50m∅	300 ∅	6.0p∅		N	Si	175	T066	C∅	
18	2N4298	20.0MΔ	7000∅		10u∅		20m∅	10 ∅	50m∅	75 ∅	6.0p∅		N	Si	175	T066	C∅	
19	2N4299	20.0MΔ	7000∅		10u∅		20m∅	10 ∅	50m∅	150 ∅	6.0p∅		N	Si	175	T066	C∅	
20	2N2775	8000∅	8000∅		14u∅		20m∅	12 ∅	6.2m∅	20 ∅	06		N	Si	175C	T33	A	
21	2N2776	8000∅	8000∅		14u∅		20m∅	12 ∅	6.2m∅	20 ∅	06		N	Si	175C	T33	A	
22	2N2777	8000∅	8000∅		14u∅		20m∅	12 ∅	6.2m∅	20 ∅	06		N	Si	175C	T33	A	
23	2N2778	8000∅	8000∅		14u∅		20m∅	12 ∅	6.2m∅	20 ∅	06		N	Si	175C	T33	A	
24	2N2779	8.0u∅	8.0u∅		14u∅		200 ∅	4.0 ∅	25 ∅	10 Δ	06		N	Si	175C	T33	A	
25	2N2780	8.0u∅	8.0u∅		14u∅		200 ∅	4.0 ∅	25 ∅	10 Δ	06		N	Si	175C	T33	A	
26	MP1534	8000∅	8000∅		3.0u	5.0u	90	2.0	3.0	35 Δ	400m		P-A	Ge	110J	T041	C∅	
27	MP1535	8000∅	8000∅		3.0u	5.0u	90	2.0	3.0	35 Δ	400m		P-A	Ge	110J	T041	C∅	
28	MP1536	8000∅	8000∅		3.0u	5.0u	90	2.0	3.0	35 Δ	400m		P-A	Ge	110J	T041	C∅	
29	MP1537	8000∅	8000∅		3.0u	5.0u	90	2.0	3.0	35 Δ	400m		P-A	Ge	110J	T041	C∅	
30	MP1538	8000∅	8000∅		3.0u	5.0u	90	2.0	3.0	35 Δ	400m		P-A	Ge	110J	T041	C∅	
31	2N3863	50MΔ	8.0u∅		16u∅		117 ∅	2.0 ∅	3 ∅	30 Δ	33		N	Si	200C	T03	C∅	
32	2N3864	50MΔ	8.0u∅		16u∅		117 ∅	2.0 ∅	3 ∅	30 Δ	33		N	Si	200C	T03	C∅	
33	2N3865	50MΔ	8.0u∅		16u∅		117 ∅	2.0 ∅	3 ∅	30 Δ	33		N	Si	200C	T03	C∅	
34	JAN2N3772	3.0M∅	8.0u∅		10u∅		150 ∅	4.0 ∅	10 ∅	10 # Δ		1.2n∅	N	Si	200J	T03	C∅	
35	DTG2000	250k∅	9.0u∅		10u∅		60 ∅	2.0 ∅	8.0 ∅	25 Δ	36m		P	Ge	110J	Y204a	C∅	
36	DTG2100	250k∅	9.0u∅		10u∅		60 ∅	2.0 ∅	8.0 ∅	25 Δ	36m		P	Ge	110J	Y204a	C∅	
37	DTG2200	250k∅	9.0u∅		10u∅		60 ∅	2.0 ∅	8.0 ∅	25 Δ	36m		P	Ge	110J	Y204a	C∅	
38	DTG2300	250k∅	9.0u∅		10u∅		60 ∅	2.0 ∅	8.0 ∅	25 Δ	36m		P	Ge	110J	Y204a	C∅	
39	DTG2400	250k∅	9.0u∅		10u∅		60 ∅	2.0 ∅	8.0 ∅	25 Δ	36m		P	Ge	110J	Y204a	C∅	
40	2N4950		9.5u	10u∅	10u	10u	300 ∅ #	3.0 ∅	50 ∅	10 Δ #	30 #		N	Si	200C	T69	A∅	
41	JAN2N1553A		10u	2.0u	5.0u	30u	90	2.0	10	60 ∅			P	Ge	100J	T03	C∅	
42	JAN2N1554A		10u	2.0u	5.0u	30u	90	2.0	10	60 ∅			P	Ge	100J	T03	C∅	
43	JAN2N1555A		10u	2.0u	5.0u	30u	90	2.0	10	60 ∅			P	Ge	100J	T03	C∅	
44	JAN2N1556A		10u	2.0u	5.0u	30u	90	2.0	10	60 ∅			P	Ge	100J	T03	C∅	
45	JAN2N1557A		10u	2.0u	5.0u	30u	90	2.0	10	60 ∅			P	Ge	100J	T03	C∅	
46	JAN2N1558A		10u	2.0u	5.0u	30u	90	2.0	10	60 ∅			P	Ge	100J	T03	C∅	
47	JAN2N1559A		10u	2.0u	5.0u	30u	90	2.0	10	60 ∅			P	Ge	100J	T03	C∅	
48	JAN2N1560A		10u	2.0u	5.0u	30u	90	2.0	10	60 ∅			P	Ge	100J	T03	C∅	
49	JAN2N1651		10u	6.0u	5.0u	100	100	1.5	25	20 Δ	26m		P	Ge	110S	T041	C∅	
50	JAN2N1652		10u	6.0u	5.0u	100	100	1.5	25	20 Δ	26m		P	Ge	110S	T041	C∅	
51	JAN2N1653		10u	6.0u	5.0u	100	100	1.5	25	20 Δ	26m		P	Ge	110S	T041	C∅	
52	2N2294		10u∅		10u∅		60 ∅	5.0 ∅	2.0 ∅	40 Δ	200m		P	Ge	110C	T041	C∅	
53	2N2295		10u∅		10u∅		60 ∅	5.0 ∅	2.0 ∅	40 Δ	200m		P	Ge	110C	T041	C∅	
54	2N2296		10u∅		10u∅		60 ∅	5.0 ∅	2.0 ∅	40 Δ	200m		P	Ge	110C	T041	C∅	
55	2N2526		10u	5.0u	4.0u	85	85	12	500m∅	10 Δ	80m		P	Ge	110C	F4j	C∅	
56	2N2527		10u	5.0u	4.0u	85	85	12	500m∅	10 Δ	80m		P	Ge	110C	F4j	C∅	
57	2N2528		10u	5.0u	4.0u	85	85	12	500m∅	10 Δ	80m		P	Ge	110C	F4j	C∅	
58	2N5578		10u∅		10u∅		150 ∅	3.0 ∅	40 ∅	10 Δ #	37m #		N	Si	175J	F23	C∅	
59	2N6064		10u∅		15u∅		56 ∅	12 ∅	500m∅	10 Δ	80m		P	Ge	110J	R155	A∅	
60	MP600		10u	6.0u	13u	85	85	2.0	5.0	50 Δ	30m		P-ADE	Ge	110J	F4r	C∅	
61	MP600A		10u	6.0u	13u	85	85	2.0	5.0	50 Δ	30m		P-ADE	Ge	110S	F49c	C∅	
62	MP601		10u	6.0u	13u	85	85	2.0	5.0	50 Δ	30m		P-ADE	Ge	110J	F4r	C∅	
63	MP601A		10u	6.0u	13u	85	85	2.0	5.0	50 Δ	30m		P-ADE	Ge	110S	F49c	C∅	
64	MP602		10u	6.0u	13u	85	85	2.0	5.0	50 Δ	30m		P-ADE	Ge	110J	F4r	C∅	
65	MP602A		10u	6.0u	13u	85	85	2.0	5.0	50 Δ	30m		P-ADE	Ge	110S	F49c	C∅	
66	MP603		10u	6.0u	13u	85	85	2.0	5.0	50 Δ	30m		P-ADE	Ge	110J	F4r	C∅	
67	MP603A		10u	6.0u	13u	85	85	2.0	5.0	50 Δ	30m		P-ADE	Ge	110S	F49c	C∅	
68	MP1529		10u∅		2.0u	5.0u	90	2.0	3.0	20 Δ	500m		P-A	Ge	110J	T041	C∅	
69	MP1530		10u∅		2.0u	5.0u	90	2.0	3.0	20 Δ	500m		P-A	Ge	110J	T041	C∅	
70	MP1531		10u∅		2.0u	5.0u	90	2.0	3.0	20 Δ	500m		P-A	Ge	110J	T041	C∅	
71	MP1532		10u∅		2.0u	5.0u	90	2.0	3.0	20 Δ	500m		P-A	Ge	110J	T041	C∅	
72	MP1533		10u∅		2.0u	5.0u	90	2.0	3.0	20 Δ	500m		P-A	Ge	110J	T041	C∅	
73	2N1159	10k∅	10u		10u		20 ∅	2.0 ∅	1.0 ∅	150 ∅	333m		P	Ge	95J	T03	C∅	
74	2N1160	10k∅	10u		10u		20 ∅	2.0 ∅	1.0 ∅	150 ∅	200m		P	Ge	95J	T03	C∅	
75	2N663	15k∅	10u		10u		10 ∅	2.0 ∅	2.0 ∅	15 Δ	300m		P	Ge	100C	T03	C∅	
76	JAN2N3771	3.0M∅	10u∅		12u∅		150 ∅	4.0 ∅	15 ∅	10 # Δ		1.2n∅	N	Si	200J	T03	C∅	
77	MP2000A	430k∅	11u∅		21u∅		106 ∅	2.0 ∅	8.0 ∅	25 Δ	24m		P	Ge	110J	F4r	C∅	
78	MP2100A	430k∅	11u∅		21u∅		106 ∅	2.0 ∅	8.0 ∅	25 Δ	24m		P	Ge	110J	F4r	C∅	
79	MP2200A	430k∅	11u∅		21u∅		106 ∅	2.0 ∅	8.0 ∅	25 Δ	24m		P	Ge	110J	F4r	C∅	
80	MP2300A	430k∅	11u∅		21u∅		106 ∅	2.0 ∅	8.0 ∅	25 Δ	24m		P	Ge	110J	F4r	C∅	
81	MP2400A	430k∅	11u∅		21u∅		106 ∅	2.0 ∅	8.0 ∅	25 Δ	24m		P	Ge	110J	F4r	C∅	
82	2N5435		12u		10u	12u	120	2.0	25	20 Δ			P	Ge	110J	T03	C∅	
83	2N5436		12u		10u	12u	120	2.0	25	20 Δ			P	Ge	110J	T03	C∅	
84	2N5437		12u		10u	12u	120	2.0	25	20 Δ			P	Ge	110J			