

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-NPN N-NPN | MATERIAL | MAX. TEMP (°C) | DWG # Y200 s/a TO200 Ser. | L E O D E |
|----------|-----------|--------|----------------------|-----------------------|-----------------------|----------------------|-------------------------------|---------|--------|------|--------------------|---------|----------------|-----------------------|----------|----------------|---------------------------|-----------|
| | | | | | | | | Vcb (V) | Ic (A) | hFE | | | | | | | | |
| 1 | GSRU15040 | 15MΔ | 400n | 0.07u | 2.2u | 2.0u | 175 | 5.0 | 15 | 10 | 266m | 500p | N | Si | 200J | Y204a | C | |
| 2 | XGSQ3030 | 25MΔ | 400n | | 2.0u | 350n | 15 | 5.0 | 3.0 | 10 | 266m | 250p | N | Si | 175J | T066 | C | |
| 3 | XGSQ3035 | 25MΔ | 400n | | 2.0u | 350n | 15 | 5.0 | 3.0 | 10 | 266m | 250p | N | Si | 175J | T066 | C | |
| 4 | XGSQ3040 | 25MΔ | 400n | | 2.0u | 350n | 15 | 5.0 | 3.0 | 10 | 266m | 250p | N | Si | 175J | T066 | C | |
| 5 | XGSR3030 | 25MΔ | 400n | | 2.0u | 350n | 75 | 5.0 | 3.0 | 10 | 266m | 250p | N | Si | 175J | T03 | C | |
| 6 | XGSR3035 | 25MΔ | 400n | | 2.0u | 350n | 75 | 5.0 | 3.0 | 10 | 266m | 250p | N | Si | 175J | T03 | C | |
| 7 | XGSR3040 | 25MΔ | 400n | | 2.0u | 350n | 75 | 5.0 | 3.0 | 10 | 266m | 250p | N | Si | 175J | T03 | C | |
| 8 | 2SC1229 | 27MΔ | 400n | | 1.8n | 500n | 100 | 5.0 | 5.0 | 50 | 150m | | N-DM | Si | 175J | T03 | C | |
| 9 | 2N5317 | 30.0MΔ | 400n | | 1.2u | 400n | 50 | 5.0 | 10 | 10 | | 500p | N | Si | 200J | T061 | A | |
| 10 | 2N5319 | 30.0MΔ | 400n | | 1.2u | 400n | 50 | 5.0 | 10 | 10 | | 500p | N | Si | 200J | T061 | A | |
| 11 | 1814-2002 | 30MΔ | 400n | | 700n | 400n | 44 | 4.0 | 2.0 | 20 | 300m | 250p | N-E | Si | 150J | T066 | C | |
| 12 | 1814-2202 | 30MΔ | 400n | | 700n | 400n | 44 | 4.0 | 2.0 | 20 | 300m | 250p | N-E | Si | 150J | T066 | C | |
| 13 | 1814-2502 | 30MΔ | 400n | | 700n | 400n | 44 | 4.0 | 2.0 | 20 | 300m | 250p | N-E | Si | 150J | T066 | C | |
| 14 | 1814-2702 | 30MΔ | 400n | | 700n | 400n | 44 | 4.0 | 2.0 | 20 | 300m | 250p | N-E | Si | 150J | T066 | C | |
| 15 | 1814-3002 | 30MΔ | 400n | | 700n | 400n | 44 | 4.0 | 2.0 | 20 | 300m | 250p | N-E | Si | 150J | T066 | C | |
| 16 | 1814-3202 | 30MΔ | 400n | | 700n | 400n | 44 | 4.0 | 2.0 | 20 | 300m | 250p | N-E | Si | 150J | T066 | C | |
| 17 | 1814-3502 | 30MΔ | 400n | | 700n | 400n | 44 | 4.0 | 2.0 | 20 | 300m | 250p | N-E | Si | 150J | T066 | C | |
| 18 | 2N3879 | 40.0MΔ | 400n | 500n | 800n | 400n | 35 | 2.0 | 4 | 12 | 30 | | N | Si | 200J | T066 | C | |
| 19 | JAN2N4399 | 40MΔ | 400n | | 1.5u | 2.1u | 115 | 2.0 | 1.0 | 40 | 1.0 | 1.0 | P | Si | 200A | T03 | C | |
| 20 | 1714-0405 | 40MΔ | 400n | | 600n | 300n | 25 | 2.0 | 5.0 | 20 | 150m | 250p | N-E | Si | 200J | T066 | C | |
| 21 | 1714-0605 | 40MΔ | 400n | | 600n | 300n | 25 | 2.0 | 5.0 | 20 | 150m | 250p | N-E | Si | 200J | T066 | C | |
| 22 | 1714-0805 | 40MΔ | 400n | | 600n | 300n | 25 | 2.0 | 5.0 | 20 | 150m | 250p | N-E | Si | 200J | T066 | C | |
| 23 | 1714-1005 | 40MΔ | 400n | | 600n | 300n | 25 | 2.0 | 5.0 | 20 | 150m | 250p | N-E | Si | 200J | T066 | C | |
| 24 | 1714-1205 | 40MΔ | 400n | | 600n | 300n | 25 | 2.0 | 5.0 | 20 | 150m | 250p | N-E | Si | 200J | T066 | C | |
| 25 | 1714-1405 | 40MΔ | 400n | | 600n | 300n | 25 | 2.0 | 5.0 | 20 | 150m | 250p | N-E | Si | 200J | T066 | C | |
| 26 | 1714-1605 | 40MΔ | 400n | | 600n | 300n | 25 | 2.0 | 5.0 | 20 | 150m | 250p | N-E | Si | 200J | T066 | C | |
| 27 | 1714-1805 | 40MΔ | 400n | | 600n | 300n | 25 | 2.0 | 5.0 | 20 | 150m | 250p | N-E | Si | 200J | T066 | C | |
| 28 | 1716-0405 | 40MΔ | 400n | | 600n | 300n | 87 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T061 | A | |
| 29 | 1716-0605 | 40MΔ | 400n | | 600n | 300n | 87 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T061 | A | |
| 30 | 1716-0805 | 40MΔ | 400n | | 600n | 300n | 87 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T061 | A | |
| 31 | 1716-1005 | 40MΔ | 400n | | 600n | 300n | 87 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T061 | A | |
| 32 | 1716-1205 | 40MΔ | 400n | | 600n | 300n | 87 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T061 | A | |
| 33 | 1716-1405 | 40MΔ | 400n | | 600n | 300n | 87 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T061 | A | |
| 34 | 1716-1605 | 40MΔ | 400n | | 600n | 300n | 87 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T061 | A | |
| 35 | 1716-1805 | 40MΔ | 400n | | 600n | 300n | 87 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T061 | A | |
| 36 | 1718-0405 | 40MΔ | 400n | | 600n | 300n | 58 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T0111 | G | |
| 37 | 1718-0605 | 40MΔ | 400n | | 600n | 300n | 58 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T0111 | G | |
| 38 | 1718-0805 | 40MΔ | 400n | | 600n | 300n | 58 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T0111 | G | |
| 39 | 1718-1005 | 40MΔ | 400n | | 600n | 300n | 58 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T0111 | G | |
| 40 | 1718-1205 | 40MΔ | 400n | | 600n | 300n | 58 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T0111 | G | |
| 41 | 1718-1405 | 40MΔ | 400n | | 600n | 300n | 58 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T0111 | G | |
| 42 | 1718-1605 | 40MΔ | 400n | | 600n | 300n | 58 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T0111 | G | |
| 43 | 1718-1805 | 40MΔ | 400n | | 600n | 300n | 58 | 2.0 | 5.0 | 20 | 250p | | N-EM | Si | 200J | T0111 | G | |
| 44 | U2T105 | 50MΔ | 400n | 100n | 500n | 500n | 1.0 | 5.0 | 5.0 | 1.0k | 500m | 100p | N-PL | Si | 200A | T033 | KD | |
| 45 | U2T205 | 50MΔ | 400n | 100n | 500n | 500n | 2.5 | 5.0 | 5.0 | 1.0k | 500m | 100p | N-PL | Si | 200A | F24 | KH | |
| 46 | JAN2N3740 | 60MΔ | 400n | | 1.0u | 1.0u | 25 | 10 | 50m | 25 | 1.6 | 100p | P | Si | 200J | T068 | C | |
| 47 | JAN2N3741 | 60MΔ | 400n | | 1.0u | 1.0u | 25 | 10 | 50m | 25 | 1.6 | 100p | P | Si | 200J | T068 | C | |
| 48 | 2N5202 | 60.0MΔ | 400n | | 1.2u | 400n | 35m | 1.2 | 4 | 10 | 30 | | N | Si | 200J | T066 | C | |
| 49 | 2N6500 | 60MΔ | 400n | | 1.0u | 500n | 20 | 3.0 | 3.0 | 15 | 500m | | N | Si | 200J | T066 | C | |
| 50 | JAN2N2812 | 70MΔ | 400n | | 1.0u | 400n | 50 | 5.0 | 1.0 | 50 | 350p | 350p | N | Si | 200C | T061 | A | |
| 51 | JAN2N2814 | 70MΔ | 400n | | 1.0u | 400n | 50 | 5.0 | 1.0 | 50 | 350p | 350p | N | Si | 200C | T061 | A | |
| 52 | 2N6479 | 100MΔ | 400n | | 800n | 200n | 50 | 2.0 | 12 | 20 | 62m | | N# | Si | 200J | W41 | D | |
| 53 | 2N6480 | 100MΔ | 400n | | 800n | 200n | 50 | 2.0 | 12 | 20 | 62m | | N# | Si | 200J | W41 | D | |
| 54 | 2N6481 | 100MΔ | 400n | | 800n | 200n | 67 | 2.0 | 12 | 20 | 62m | | N# | Si | 200J | W41 | D | |
| 55 | 2N6482 | 100MΔ | 400n | | 800n | 200n | 67 | 2.0 | 12 | 20 | 62m | | N# | Si | 200J | W41 | D | |
| 56 | 2N3634 | 150MΔ | 400n | | 600n | 50 | 5.0 | 10 | 1.0m | 45 | 22 | 10p | P | Si | 200S | T05 | A | |
| 57 | 2N3634S | 150MΔ | 400n | | 600n | 50 | 5.0 | 10 | 1.0m | 45 | 22 | 10p | P | Si | 200S | T039 | A | |
| 58 | 2N3636 | 150MΔ | 400n | | 600n | 50 | 5.0 | 10 | 1.0m | 45 | 22 | 10p | P | Si | 200S | T05 | A | |
| 59 | 2N3635 | 200MΔ | 400n | | 600n | 50 | 5.0 | 10 | 1.0m | 90 | 22 | 10p | P | Si | 200S | T05 | A | |
| 60 | 2N3635S | 200MΔ | 400n | | 600n | 50 | 5.0 | 10 | 1.0m | 90 | 22 | 10p | P | Si | 200S | T039 | A | |
| 61 | 2N3637 | 200MΔ | 400n | | 600n | 50 | 5.0 | 10 | 1.0m | 90 | 22 | 10p | P | Si | 200S | T05 | A | |
| 62 | 2N3637S | 200MΔ | 400n | | 600n | 50 | 5.0 | 10 | 1.0m | 90 | 22 | 10p | P | Si | 200S | T039 | A | |
| 63 | BSR50 | 250MΔ | 400n | | 2.0u | 800m | 10 | 500m | 2.0k | 1.6 | | | NPL | Si | 150J | R221a | B | |
| 64 | BSR51 | 250MΔ | 400n | | 2.0u | 800m | 10 | 500m | 2.0k | 1.6 | | | NPL | Si | 150J | R221a | B | |
| 65 | BDX42 | 262MΔ | 400n | | 2.0u | 1.2 | 10 | 150m | 1.0k | 2.6 | | | PL1 | Si | 150J | T0126 | KB | |
| 66 | BDX43 | 262MΔ | 400n | | 2.0u | 1.2 | 10 | 150m | 1.0k | 2.6 | | | PL1 | Si | 150J | T0126 | KB | |
| 67 | BDX44 | 262MΔ | 400n | | 2.0u | 1.2 | 10 | 150m | 1.0k | 2.6 | | | PL1 | Si | 150J | T0126 | KB | |
| 68 | BSS50 | 262MΔ | 400n | | 2.0u | 800m | 10 | 150m | 1.5k | 1.6 | | | N-PL | Si | 200J | T039 | KC | |
| 69 | BSS51 | 262MΔ | 400n | | 2.0u | 800m | 10 | 150m | 1.5k | 1.6 | | | N-PL | Si | 200J | T039 | KC | |
| 70 | BSS52 | 262MΔ | 400n | | 2.0u | 800m | 10 | 150m | 1.5k | 1.6 | | | N-PL | Si | 200J | T039 | KC | |
| 71 | BCX21 | 350MΔ | 400n | | 1.5u | 550m | 10 | 150m | 2.0k | 2.6 | 10p | | N-PL | Si | 150S | T039 | KC | |
| 72 | 2SA781K | 550MΔ | 400n | 150n | 130n | 600n | 200m | 50 | 30m | 20 | | | P-PE | Si | 125J | S8 | B | |
| 73 | JAN2N3634 | 800MΔ | 400n | | 600n | 50 | 5.0 | 10 | 100m | 25 | 3.0 | 10p | P | Si | 200J | T05 | A | |
| | | | | | | | | | | | | | | | | | | |