

6. SILICON FIELD EFFECT TRANSISTORS - P CHANNEL

IN ORDER OF (1) DISSIPATION
(2) TYPE No.

| LINE No. | TYPE No. | 1 MAX. DISS @ 25°C (W) | MAX. @ Vp & Vds (V) | | ABS MAX RATINGS @ 25°C | | | | MAX. Idss @ Vgs=0 & Vds=Vp (A) | | MAX. Igss @ Vgs=Vp & Vds=0 (A) | | TEST COND | | | | PARAMETERS @ 25°C | | | | DERATE | | | | STRUCTURE | DWG Y200 s/a TO200 Ser. | # L C O A D E |
|----------|-----------|------------------------|---------------------|---------|------------------------|-------|--------|--------|--------------------------------|----------|--------------------------------|---------|------------|------------|-----------|---------|-------------------|---------------|---------------------|---------------|--------|-----|--|--|-----------|-------------------------|---------------|
| | | | Id=0 (V) | Vds (V) | V (V) | V (V) | Id (A) | Ig (A) | Idss (A) | Igss (A) | Vgs (V) | Vds (V) | gfs (mhos) | Yos (mhos) | r(on) (Ω) | Cis (F) | IN AIR W/C | MAX TEMP (°C) | Y200 s/a TO200 Ser. | # L C O A D E | | | | | | | |
| | | | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | | | MIN | MAX | | | | | |
| 1 | JAN2N3329 | 300m | 5.0 | 15 | 20 | 20 | 10m | 3.0m | 10n | 0.0 | 10 | 1.0m | 2.0m | 20u | 1.0k | 20p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 2 | 2N3330 | 300m | 6.0 | 15 | 20 | 20 | 10m | 6.0m | 10n | 0.0 | 10 | 1.5m | 3.0m | 40u | 80k | 20p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 3 | JAN2N3330 | 300m | 6.0 | 15 | 20 | 20 | 10m | 6.0m | 10n | 0.0 | 10 | 1.5m | 3.0m | 40u | 80k | 20p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 4 | 2N3331 | 300m | 8.0 | 15 | 20 | 20 | 10m | 15m | 10n | 0.0 | 10 | 2.0m | 4.0m | 100u | 60k | 20p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 5 | JAN2N3331 | 300m | 8.0 | 15 | 20 | 20 | 10m | 15m | 10n | 0.0 | 10 | 2.0m | 4.0m | 100u | 60k | 20p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 6 | 2N3332 | 300m | 6.0 | 15 | 20 | 20 | 10m | 6.0m | 10n | 0.0 | 10 | 1.0m | 2.2m | 20u | 20u | 20p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 7 | JAN2N3332 | 300m | 6.0 | 15 | 20 | 20 | 10m | 6.0m | 10n | 0.0 | 10 | 1.0m | 2.2m | 20u | 20u | 20p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 8 | 2N3376 | 300m | 5.0 | 5.0 | 30 | 30 | 100m | 50m | 6m% 43.0n | 0.0 | 10 | 1.80m | 2.3m† | 800 | 1.5k† | 3.0pΔ | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 9 | 2N3378 | 300m | 5.0 | 5.0 | 30 | 30 | 100m | 50m | 6m% 43.0n | 0.0 | 10 | 1.5m | 2.3m† | 75k† | 3.0pΔ | 2.0m | 200S | # | TO72 | DG | | | | | | | |
| 10 | 2N3380 | 300m | 9.5 | 5.0 | 30 | 30 | 100m | 50m | 20m% 43.0n | 0.0 | 10 | 1.5m | 3m† | 60k† | 3.0pΔ | 2.0m | 200S | # | TO72 | DG | | | | | | | |
| 11 | 2N3382 | 300m | 5.0 | 5.0 | 30 | 30 | 100m | 50m | 30m% 15n | 0.0 | 10 | 4.5m | 13m† | 30k† | 6.0pΔ | 2.0m | 200S | # | TO72 | DG | | | | | | | |
| 12 | 2N3384 | 300m | 5.0 | 5.0 | 30 | 30 | 100m | 50m | 30m% 15n | 0.0 | 10 | 7.5m | 13m† | 18k† | 6.0pΔ | 2.0m | 200S | # | TO72 | DG | | | | | | | |
| 13 | 2N3386 | 300m | 9.5 | 5.0 | 30 | 30 | 100m | 50m | 50m% 4.15n | 0.0 | 10 | 7.5m | 15m† | 15k† | 6.0pΔ | 2.0m | 200S | # | TO72 | DG | | | | | | | |
| 14 | 2N3578 | 300m | 4.0† | 5.0 | 20 | 20 | 50m | 10m | 4.5m% 1.2n | 0.0 | 5.0 | 1.2m | 3.5m | 15u% | 65p# | 2.0m | 200S | # | TO18 | DA | | | | | | | |
| 15 | 2N3909 | 300m | 8.0 | 10Δ | 20 | 20 | 20 | 10m | 15m | 10n | 0.0 | 10 | 1.0m | 5.0m | 100u% | 32p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 16 | 2N3909A | 300m | 8.0 | 10 | 20 | 20 | 20 | 10m | 15m | 10n | 0.0 | 10 | 2.2m | 5.0m | 100u% | 9p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 17 | 2N3993 | 300m | | Δ | 25 | 25 | | 10m | 10m | 10n | 0.0 | 10 | 6.0m | 12m | 15k% | 16p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 18 | 2N3993A | 300m | | Δ | 25 | 25 | 9.5 | 10m | 10mΔ | 1.2n | 0.0 | 10 | 7.0m | 12m | 15k% | 12p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 19 | 2N3994 | 300m | | Δ | 25 | 25 | | 10m | 2.0mΔ | 1.2n | 0.0 | 10 | 4.0m | 12m | 15k% | 12p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 20 | 2N3994A | 300m | | Δ | 25 | 25 | 5.5 | 10m | 2.0mΔ | 1.2n | 0.0 | 10 | 5.0m | 10m | 30k% | 12p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 21 | 2N4090 | 300m | 3.0† | 10Δ | 30 | 20 | | 10m | 2.5m | 1.0n | 0.0 | 10 | 5.0m | 90m | 20u | 10p# | 1.7m | 200C | # | TO72 | DH | | | | | | |
| 22 | 2N4352† | 300m | 5.0Δ | 10* | 30 | 30 | 30m | | 10n | 10p | 0.0 | 15 | 2.0m | 6.0m | 75u% | 5.0p# | 1.7m | 200S | # | TO72 | DR | | | | | | |
| 23 | 2N4381 | 300m | 5.0† | 15Δ | 25 | 25 | | | 12m | 1.0n | 0.0 | 15 | 2.0m | 6.0m | 75u% | 70k% | 2.0m | 175J | # | TO18 | DG | | | | | | |
| 24 | 2N4382 | 300m | 9.0† | 15Δ | 25 | 25 | | | 30m | 1.0n | 0.0 | 15 | 4.0m | 8.0m | 100u% | 35k% | 2.0m | 175J | # | TO18 | DA | | | | | | |
| 25 | 2N5020 | 300m | 1.5† | 15Δ | 25 | 25 | | 50m | 1.2m | 1.0n | 0.0 | 15 | 1.0m | 3.0m | 20u | 1.0k† | 25p# | 2.0m | 175J | # | TO18 | DA | | | | | |
| 26 | 2N5021 | 300m | 2.5† | 15Δ | 25 | 25 | | 50m | 3.5m | 1.0n | 0.0 | 15 | 1.5m | 5.0m | 20u | 1.3k† | 25p# | 2.0m | 175J | # | TO18 | DA | | | | | |
| 27 | 2N5171 | 300m | 4.0† | 15 | 40 | 40 | | | 0.6mΔ | 50n | 0.0 | 15 | 0.6m | 18m† | 1.0u* | 5p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 28 | 2N5472 | 300m | 4.0† | 15 | 40 | 40 | | | 120uΔ | 500p | 0.0 | 15 | 90u | 225u† | 1.0u* | 5.0p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 29 | 2N5473 | 300m | 6.0† | 15 | 40 | 40 | | | 25mΔ | 50n | 0.0 | 15 | 12m | 30m† | 2.5u* | 5p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 30 | 2N5474 | 300m | 7.0† | 15 | 40 | 40 | | | 5mΔ | 50n | 0.0 | 15 | 16m | 40m† | 2.5u* | 5p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 31 | 2N5475 | 300m | 8.0† | 15 | 40 | 40 | | | 1mΔ | 50n | 0.0 | 15 | 20m | 50m† | 5.0u* | 5p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 32 | 2N5476 | 300m | 9.0† | 15 | 40 | 40 | | | 2mΔ | 50n | 0.0 | 15 | 26m | 65m† | 10u* | 5p# | 2.0m | 200S | # | TO72 | DG | | | | | | |
| 33# | 2S168 | 300m | | | 40† | 40† | 30m | | 12m | 2m | 0.0 | 15 | 26m | 65m† | 10u* | 5p# | 2.0m | 200S | # | TO92 | DG | | | | | | |
| 34# | 2S169 | 300m | | | 40† | 40† | 30m | | 20m | 2m | 0.0 | 15 | 26m | 65m† | 10u* | 5p# | 2.0m | 200S | # | TO92 | DG | | | | | | |
| 35 | 3N155† | 300m | 3.2Δ | 10* | 35 | 50 | 30m | | 1.0n | 1.0n | 0.0 | 15 | 2.0m | 6.0m | 75u% | 5.0p# | 2.0m | 175J | # | TO72 | DR | | | | | | |
| 36 | 3N155A† | 300m | 3.2Δ | 10* | 35 | 50 | 30m | | 250p | 1.0n | 0.0 | 15 | 2.0m | 6.0m | 75u% | 5.0p# | 2.0m | 175J | # | TO72 | DR | | | | | | |
| 37 | 3N158† | 300m | 5.0Δ | 10* | 35 | 50 | 30m | | 1.0n | 1.0n | 0.0 | 15 | 2.0m | 6.0m | 75u% | 5.0p# | 2.0m | 175J | # | TO72 | DR | | | | | | |
| 38 | 3N158A† | 300m | 5.0Δ | 10* | 35 | 50 | 30m | | 250p | 1.0n | 0.0 | 15 | 2.0m | 6.0m | 75u% | 5.0p# | 2.0m | 175J | # | TO72 | DR | | | | | | |
| 39 | 3N157 | 300m | 3.2Δ | 15* | 35 | 50 | 30m | | 1.0n | 10p | 2.0† | 15 | 1.0m% | 4.0m% | 60u% | 5.0p# | 2.0m | 175J | # | TO72 | DR | | | | | | |
| 40 | 3N157A | 300m | 3.2Δ | 15* | 35 | 50 | 30m | | 250p | 10p | 2.0† | 15 | 1.0m% | 4.0m% | 60u% | 5.0p# | 2.0m | 175J | # | TO72 | DR | | | | | | |
| 41 | 3N158 | 300m | 5.0Δ | 15* | 35 | 50 | 30m | | 1.0n | 10p | 2.0† | 15 | 1.0m% | 4.0m% | 60u% | 5.0p# | 2.0m | 175J | # | TO72 | DR | | | | | | |
| 42 | 3N158A | 300m | 5.0Δ | 15* | 35 | 50 | 30m | | 250p | 10p | 2.0† | 15 | 1.0m% | 4.0m% | 60u% | 5.0p# | 2.0m | 175J | # | TO72 | DR | | | | | | |
| 43 | 3N165† | 300m | 5.0Δ | 15* | 40 | 50 | 50m | | 30m | 10p | 10† | 15 | 1.5m | 3.0m | 300u | 3.0p# | 2.4m | 200S | # | TO99 | FJ | | | | | | |
| 44 | 3N169† | 300m | 5.0Δ | 15* | 40 | 50 | 50m | | 30m | 10p | 10† | 15 | 1.5m | 3.0m | 300u | 3.0p# | 2.4m | 200S | # | TO99 | FJ | | | | | | |
| 45 | 3N181† | 300m | 4.0Δ | 10* | 30 | 30Δ | 100m | | 100u | 500p | 0.0 | 15 | 1.0m | 3.0m | 300u | 40% | 25p# | 2.4m | 200S | # | TO72 | DM | | | | | |
| 46 | 3N182† | 300m | 5.0Δ | 10* | 30 | 30Δ | 100m | | 100u | 2.5n | 0.0 | 15 | 1.0m | 3.0m | 300u | 60% | 25p# | 2.4m | 200S | # | TO72 | DM | | | | | |
| 47 | 3N183† | 300m | 6.0Δ | 10* | 25 | 25Δ | 100m | | 100u | 10n | 0.0 | 15 | 1.0m | 3.0m | 300u | 75% | 25p# | 2.4m | 200S | # | TO72 | DM | | | | | |
| 48 | 3N184† | 300m | 3.0Δ | 10* | 35 | 35Δ | 50m | | 1.0m | 20m# | 0.0 | 15 | 1.0m | 3.0m | 300u | 150 | 9.0p# | 2.4m | 200S | # | TO72 | DM | | | | | |
| 49 | 3N185† | 300m | 3.0Δ | 10* | 30 | 30Δ | 50m | | 1.0m | 15m# | 0.0 | 15 | 1.0m | 3.0m | 300u | 175 | 10p# | 2.4m | 200S | # | TO72 | DM | | | | | |
| 50 | 3N185† | 300m | 3.5Δ | 10* | 25 | 25Δ | 50m | | 1.0m | 10m# | 0.0 | 15 | 1.0m | 3.0m | 300u | 200 | 11p# | 2.4m | 200S | # | TO72 | DM | | | | | |
| 51 | 3N185† | 300m | 5.0Δ | 15* | 40 | 40Δ | 50m | | 1.0m | 20p | 10† | 15 | 1.5m | 4.0m | 300u | 300 | 4.5p# | 2.4m | 200S | # | TO99 | FJ | | | | | |
| 52 | 3N189* | 300m | 5.0Δ | 15* | 40 | 40Δ | 50m | | 20p | 10p | 10† | 15 | 1.5m | 4.0m | 300u | 300 | 4.5p# | 2.4m | 200S | # | TO99 | FJ | | | | | |
| 53 | 3N190* | 300m | 5.0Δ | 15* | 40 | 40Δ | 50m | | 20p | 10p | 10† | 15 | 1.5m | 4.0m | 300u | 300 | 4.5p# | 2.4m | 200S | # | TO99 | FJ | | | | | |
| 54 | 3N191* | 300m | 5.0Δ | 15* | 40 | 40Δ | 50m | | 20p | 10p | 10† | 15 | 1.5m | 4.0m | 300u | 300 | 4.5p# | 2.4m | 200S | # | TO99 | FJ | | | | | |
| 55 | 3N207 | 300m | 6.0Δ | 15* | 25 | 25 | 100m | | 10n | 4.0p | 0.0 | 10 | 1.0m | 3.0m | 400 | 4.0p# | 2.0m | 200S | # | TO76 | FJ | | | | | | |
| 56 | 3N208 | 300m | 6.0Δ | 15* | 25 | 25 | 100m | | 10n | 4.0p | 0.0 | 10 | 1.0m | 3.0m | 400 | 4.0p# | 2.0m | 200S | # | TO76 | FJ | | | | | | |
| 57 | 3N213† | 300m | 3.5Δ | 10* | 25 | 25Δ | 100m | | 1.0m | 10n | 0.0 | 10 | 1.0m | 3.0m | 400 | 50p# | 2.4m | 175S | # | TO72 | DM | | | | | | |
| 58 | FT3909 | 300m | 8.0† | 10 | 20 | 20 | 20 | 10m | 15m | 10n | 0.0 | 10 | 1.0m | 5.0m | 100u | 75 | 32p# | 2.0m | 125J | # | TO18 | DA | | | | | |
| 59 | IT100 | 300m | 4.5 | 15Δ | 35 | 35 | 50m | | 50m | 200p | 0.0 | 15 | 8.0m | 200p | 1.7m | 35p# | 2.0m | 200J | # | TO18 | DA | | | | | | |
| 60 | IT101 | 300m | 10 | 15Δ | 35 | 35 | 50m | | 50m | 20m | 0.0 | 15 | 8.0m | 200p | 1.7m | 35p# | 2.0m | 200J | # | TO18 | DA | | | | | | |
| 61 | MEM560 | 300m | 3.0Δ | 3.0* | 35 | 35 | 50m | 100u | 5.0m | 500p | 5.0† | 10 | 2.0m | 3.5mΔ | 100 | Δ | 9.0p# | 3.0m | 125J | # | TO72 | DM | | | | | |
| 62 | MEM575 | 300m | 3.5Δ | 3.0* | 25 | 25 | 300m | 1.0m | 2.0n | 2.0n | 5.0 | 10 | 1.0m | | 13 | † | 50p | 2.4m | 150J | # | TO72 | DM | | | | | |
| 63 | MEM806 | 300m | 5.5Δ | 5.5* | 40 | 40 | | | 1.0n | 3.0p | 10† | 20 | 2.0m | | 300 | † | 3.5p# | 2.4m | 150A | # | TO72 | DM | | | | | |
| 64 | MEM806A | 300m | 5.5Δ | 5.5* | 40 | 40 | | | 100p | 1.0p | 10† | 20 | 2.0m | | 300 | † | 3.5p# | 2.4m | 150A | # | TO72 | DM | | | | | |
| 65 | MEM807 | 300m | 5.5Δ | 5.5* | 40 | 40 | | | 1.0n | 200p | 10† | 20 | 2.0m | | 300 | | | | | | | | | | | | |