

6. SILICON FIELD EFFECT TRANSISTORS - P CHANNEL

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

| LINE No. | TYPE No. | MAX DEVICE DISS @ 25°C (W) | MAX Vp & Vds | | ABS MAX RATINGS @ 25°C | | MAX Ids @ Vds=0 | | MAX Igss @ Vgs=0 | | TEST COND | | PARAMETERS @ 25°C | | | | DERATE | | STRUCTURE | DWG # | L C E O D E | |
|----------|-----------|----------------------------|--------------|---------|------------------------|-----------|-----------------|--------|-------------------|-------------------|-----------|---------|--------------------------|-------|--------------|--------------|----------------------|---------------|-----------|-------|-------------|-----|
| | | | Id=0 (V) | Vds (V) | BVdss (V) | BVgss (V) | Id (A) | Ig (A) | Vgs=0 & Vds=0 (A) | Vgs=0 & Vds=0 (A) | Vgs (V) | Vds (V) | COMMON SOURCE (gfs mhos) | | r(DS) on (Ω) | MAX. Cis (F) | IN FREE AIR W/C (°C) | MAX TEMP (°C) | | | | |
| | | | MIN | MAX | mhos | Yos | MIN | MAX | Yos | Yos | Yos | Yos | Yos | Yos | Yos | Yos | Yos | Yos | | | | Yos |
| 1 | 2N4120T | 350m | 6.0Δ | 15* | 30 | 25 | 20m | 10m | 1.0n | 1.0n | 15 | 15 | 700u | 100u% | 1.0k% | 4.5p# | 2.3m | 175J | # | T072 | DM | |
| 2 | 3N1451 | 350m | 6.0Δ | 20* | 30 | 25 | 20m | 10m | 3.0m# | 1.0n | 15 | 15 | 700u | 100u% | 1.5kt | 1.0p# | 2.3m | 175J | # | T072 | DM | |
| 3 | 3N1461 | 350m | 6.0Δ | 20* | 30 | 25 | 20m | 10m | 3.0m# | 1.0n | 15 | 15 | 700u | 100u% | 1.5kt | 1.0p# | 2.3m | 175J | # | T072 | DM | |
| 4 | E1741 | 350m | 10 | 15 | 30 | 30 | 50m | 100m% | 1.0n | 1.0n | 15 | 15 | 700u | 100u% | 85% | 40p*# | 3.5m | 125A | # | R187 | DA | |
| 5 | E1751 | 350m | 6.0 | 15 | 30 | 30 | 50m | 60m% | 1.0n | 1.0n | 15 | 15 | 700u | 100u% | 125% | 40p*# | 3.5m | 125A | # | R187 | DA | |
| 6 | E1761 | 350m | 4.0 | 15 | 30 | 30 | 50m | 25m% | 1.0n | 1.0n | 15 | 15 | 700u | 100u% | 250% | 40p*# | 3.5m | 125A | # | R187 | DA | |
| 7 | E1771 | 350m | 2.2 | 15 | 30 | 30 | 50m | 20m% | 1.0n | 1.0n | 15 | 15 | 700u | 100u% | 300% | 40p*# | 3.5m | 125A | # | T0106 | DA | |
| 8 | E270 | 350m | 2.01 | 15 | 30 | 30 | 50m | 15m% | 200p | 0.0 | 0.0 | 15 | 6.0m† | 15m† | 20 | 20 | 3.5m | 125A | #† | R187 | DA | |
| 9 | E271 | 350m | 4.51 | 15 | 30 | 30 | 50m | 50m% | 200p | 0.0 | 0.0 | 15 | 6.0m† | 15m† | 20 | 20 | 3.5m | 125A | #† | R187 | DA | |
| 10 | J174 | 350m | 10 | 15 | 30* | 30 | 50m | 100m% | 1.0n | 0.0 | 0.0 | 10 | 8.0m† | 15m† | 85 | 5.5p† | 3.5m | 125A | #Δ | T092 | DC | |
| 11 | J175 | 350m | 6.0 | 15 | 30* | 30 | 50m | 60m% | 1.0n | 0.0 | 0.0 | 10 | 8.0m† | 15m† | 125 | 5.5p† | 3.5m | 125A | #Δ | T092 | DC | |
| 12 | J176 | 350m | 4.0 | 15 | 30* | 30 | 50m | 25m% | 1.0n | 0.0 | 0.0 | 10 | 8.0m† | 15m† | 250 | 5.5p† | 3.5m | 125A | #Δ | T092 | DC | |
| 13 | J177 | 350m | 2.2 | 15 | 30* | 30 | 50m | 20m% | 1.0n | 0.0 | 0.0 | 10 | 8.0m† | 15m† | 300 | 5.5p† | 3.5m | 125A | #Δ | T092 | DC | |
| 14 | J270 | 350m | 2.0 | 15 | 30* | 30 | 50m | 15m% | 200p | 0.0 | 0.0 | 15 | 6.0m† | 15m† | 200u% | 20p*# | 3.5m | 125A | #† | T092 | DC | |
| 15 | J271 | 350m | 4.5 | 15 | 30* | 30 | 50m | 50m% | 200p | 0.0 | 0.0 | 15 | 6.0m† | 15m† | 500u% | 20p*# | 3.5m | 125A | #† | T092 | DC | |
| 16 | MPF9701 | 350m | 12† | 15Δ | 25 | 30 | 50m | 60m% | 1.0n | 0.0 | 0.0 | 15 | 4.0m% | 15m% | 100 | 12p# | 2.8m | 150A | # | T092 | DD | |
| 17 | MPF9711 | 350m | 7.0† | 15Δ | 25 | 30 | 50m | 30m% | 1.0n | 0.0 | 0.0 | 15 | 4.0m% | 15m% | 250 | 12p# | 2.8m | 150A | # | T092 | DD | |
| 18 | NF4382 | 350m | 9.0† | 15Δ | 25 | 25 | 50m | 30m% | 1.0n | 0.0 | 0.0 | 15 | 4.0m% | 15m% | 350 | 20p# | 3.5m | 150S | # | T092 | DA | |
| 19 | P1086E1 | 350m | 10† | 15 | 30 | 30 | 50m | 10m | 2.0n | 0.0 | 0.0 | 10 | 3.0m | 8.0m | 100u% | 75 | 45p# | 3.5m | 125J | # | R97b | DB |
| 20 | P1087E1 | 350m | 5.0† | 15 | 30 | 30 | 50m | 5.0m | 2.0n | 0.0 | 0.0 | 10 | 3.0m | 8.0m | 100u% | 150 | 45p# | 3.5m | 125J | # | R97b | DB |
| 21 | PF4382 | 350m | 9.0† | 15Δ | 25 | 25 | 50m | 30m | 1.0n | 0.0 | 0.0 | 15 | 4.0m% | 15m% | 500u% | 350 | 20p# | 3.5m | 150S | # | T092 | DA |
| 22 | PN4342 | 350m | 5.5 | 10 | 25 | 25 | 50m | 12m% | 10n | 0.0 | 0.0 | 10 | 2.0m | 6.0m | 75u% | 700 | 20p | 3.5m | 125A | # | T092 | DF |
| 23 | PN4360 | 350m | 10 | 10 | 20 | 20 | 50m | 30m% | 10n | 0.0 | 0.0 | 10 | 2.0m | 8.0m | 100u% | 700 | 20p | 3.5m | 125A | # | T092 | DF |
| 24 | PN5019 | 350m | 5.0† | 15 | 30 | 30 | 10m | 5.0m# | 2.0n | 0.0 | 0.0 | 10 | 1.0m | 5.0m | 20u% | 150 | 45p# | 3.5m | 125A | #Δ | T092 | DC |
| 25 | PN5033 | 350m | 2.5 | 10 | 20 | 20 | 50m | 3.5m% | 10 | 0.0 | 0.0 | 10 | 1.0m | 5.0m | 20u% | 1.3k | 25p | 3.5m | 125A | # | T092 | DF |
| 26 | U3041 | 350m | 10† | 15 | 30 | 30 | 50m | 90m | 500p | 0.0 | 0.0 | 10 | 3.0m | 8.0m | 100u% | 85 | 27p# | 2.8m | 150S | # | T018 | DA |
| 27 | U3051 | 350m | 6.0† | 15 | 30 | 30 | 50m | 60m | 500p | 0.0 | 0.0 | 10 | 3.0m | 8.0m | 100u% | 110 | 27p# | 2.8m | 150S | # | T018 | DA |
| 28 | U3061 | 350m | 4.0† | 15 | 30 | 30 | 50m | 25m | 500p | 0.0 | 0.0 | 10 | 3.0m | 8.0m | 100u% | 175 | 27p# | 2.8m | 150S | # | T018 | DA |
| 29 | UC400 | 350m | 6.0 | 20 | 30Δ | 30 | 50m | 15mΔ | 100p | 0.0 | 0.0 | 20 | 3.0m | 5.0m | 200u | 300 | 8.0p | 2.9m | 200J | PE | T072 | DA |
| 30 | 2N3820 | 360m | 8.0† | 10Δ | 20 | 20 | 10m | 15m% | 20n | 0.0 | 0.0 | 10 | 8.0m | 5.0m | 200u | 32p# | 2.9m | 150S | # | T092 | DA | |
| 31 | 2N5548 | 360m | 5.0† | 15* | 25 | 25 | 125m | 120m | 50p | 0.0 | 0.0 | 10 | 3.5m | 6.5m | 250u% | 10p | 2.9m | 150S | # | R203 | DQ | |
| 32 | 3N160 | 360m | 5.0Δ | 15* | 25 | 25 | 125m | 120m | 10p | 8.0 | 0.0 | 15 | 3.5m | 6.5m | 250u | 10p# | 2.4m | 200S | # | T072 | DM | |
| 33 | 3N161 | 360m | 5.0Δ | 15* | 25 | 25Δ | 125m | 10m | 120m | 8.0 | 0.0 | 15 | 3.5m | 6.5m | 250u | 10p# | 2.4m | 200S | # | T072 | DM | |
| 34 | 3N1741 | 360m | 6.0Δ | 15* | 30 | 30 | 20m | 12m | 2.5p | 15 | 15 | 15 | 400u | 200u% | 1.0k | 4.0p | 2.4m | 200S | # | T072 | DM | |
| 35 | J174-181 | 360m | 10† | 15 | 30 | 30# | 1.0n | 50m | 100m | 1.0n | 0.0 | 0.0 | 15 | 5.5p# | 3.2 | 135J | # | T092 | DF | | | |
| 36 | J175-181 | 360m | 6.0† | 15 | 30 | 30# | 1.0n | 50m | 60m | 1.0n | 0.0 | 0.0 | 15 | 5.5p# | 3.2 | 135J | # | T092 | DF | | | |
| 37 | J176-181 | 360m | 4.5† | 15 | 30 | 30# | 1.0n | 50m | 25m | 1.0n | 0.0 | 0.0 | 15 | 5.5p# | 3.2 | 135J | # | T092 | DF | | | |
| 38 | J177-181 | 360m | 2.2† | 15 | 30 | 30# | 1.0n | 50m | 20m | 1.0n | 0.0 | 0.0 | 15 | 5.5p# | 3.2 | 135J | # | T092 | DF | | | |
| 39 | P10861 | 360m | 10† | 15 | 30 | 30# | 10m | 50m | 10m | 2.0n | 0.0 | 0.0 | 15 | 75 | 45p | 3.2 | 135J | # | T092 | DE | | |
| 40 | P1086-18 | 360m | 10† | 15 | 30 | 30# | 10m | 50m | 10m | 2.0n | 0.0 | 0.0 | 15 | 75 | 45p | 3.3m | 150S | # | T092 | DF | | |
| 41 | P10871 | 360m | 5.0† | 15 | 30 | 30# | 10m | 50m | 5.0m | 2.0n | 0.0 | 0.0 | 15 | 150 | 45p | 3.2 | 135J | # | T092 | DF | | |
| 42 | P1087-18 | 360m | 5† | 15 | 30 | 30# | 10m | 50m | 5.0m | 2.0n | 0.0 | 0.0 | 15 | 150 | 45p | 3.3m | 150S | # | T092 | DF | | |
| 43 | 3N1631 | 375m | 5.0Δ | 15* | 40 | 40 | 50m | 30m | 10p | 10 | 0.0 | 15 | 2.0m | 4.0m | 250u | 250 | 2.5p# | 3.0m | 200S | # | T072 | DM |
| 44 | 3N1641 | 375m | 5.0Δ | 15* | 40 | 40 | 50m | 30m | 10p | 10 | 0.0 | 15 | 1.0m | 4.0m | 250u | 300 | 2.5p# | 3.0m | 200S | # | T072 | DM |
| 45 | 3N1721 | 375m | 5.0Δ | 15* | 40 | 40Δ | 50m | 1.0m | 30m | 10p | 15 | 15 | 1.5m | 4.0m | 250u | 250 | 3.5p# | 3.0m | 200S | # | T072 | DM |
| 46 | 3N1731 | 375m | 5.0Δ | 15* | 40 | 40Δ | 50m | 1.0m | 30m | 10p | 15 | 15 | 1.0m | 4.0m | 250u | 350 | 3.5p# | 3.0m | 200S | # | T072 | DM |
| 47 | IT1700 | 375m | 5.0Δ | 15* | 40 | 125 | 50m | 200p | 10n | 10 | 0.0 | 10 | 1.5m | 4.0m | 400 | 400 | 5.0p# | 3.0m | 150J | # | T072 | EG |
| 48 | TIS157 | 375m | 3.1Δ | 10* | 40 | 40 | 50m | 200p | 10n | 10 | 0.0 | 10 | 1.0m | 4.0m | 300 | 700f\$ | 2.1m | 200S | # | T018 | EP | |
| 49 | TIS158 | 375m | 5.0Δ | 10* | 40 | 40 | 50m | 200p | 10n | 10 | 0.0 | 10 | 1.0m | 4.0m | 500 | 700f\$ | 2.1m | 200S | # | T018 | EP | |
| 50 | UC1764 | 375m | 5.0Δ | 10* | 30 | 30 | 50 | 3.0m# | 10n | 10 | 0.0 | 15 | 1.0m | 4.0m | 300u | 300kΔ | 3.0p# | 3.0m | 200S | # | T072 | DS |
| 51 | 2N42671 | 400m | 6.0Δ | 15* | 30 | 25 | 500m | 100m | 1.0n | 15 | 15 | 15 | 3.0m | 600u% | 250 | 15p# | 2.6m | 175J | # | T072 | DS | |
| 52# | 2SJ44 | 400m | 1.5† | 10 | 25 | 25 | -30m | -10m | -18m | 1.0n | 0.0 | 10 | 8m | 300u% | 50p*# | 4.0 | 125J | # | T092 | DC | | |
| 53# | 2SJ45 | 400m | 1.5† | 10 | 25 | 25 | -30m | -10m | -18m | 1.0n | 0.0 | 10 | 8m | 300u% | 50p*# | 4.0 | 125J | # | T092 | DC | | |
| 54# | 2SJ74 | 400m | 2.0 | 10 | 25 | 25 | 10m | 20m | 1.0n | 0.0 | 10 | 10 | 8m | 300u% | 105p* | 4.0m | 125J | # | T092 | DC | | |
| 55 | 3N1491 | 400m | 6.0Δ | 20* | 25 | 25 | 200m | 10m | 16m# | 1.0n | 10 | 10 | 12mΔ | 300u% | .25kt | 3.0p# | 2.6m | 175J | # | T072 | DM | |
| 56 | 3N1501 | 400m | 6.0Δ | 20* | 25 | 25 | 200m | 10m | 16m# | 1.0n | 10 | 10 | 12mΔ | 300u% | .25kt | 3.0p# | 2.6m | 175J | # | T072 | DM | |
| 57 | MEM517C | 450m | 5.0Δ | 5.0* | 25 | 25 | 250m | 100u | 50n | 1.0n | 10 | 10 | 12mΔ | 300u% | 45 | 30p# | 4.5m | 100J | # | T033 | DM | |
| 58 | 2N2386 | 500m | 20Δ | 20 | 20 | 20 | 10m | 15mΔ | 10n | 0.0 | 0.0 | 10 | 1.0m% | 300uΔ | 50p# | 3.3m | 200S | # | T05 | DA | | |
| 59 | 2N2386A | 500m | 20Δ | 20 | 20 | 20 | 10m | 15mΔ | 10n | 0.0 | 0.0 | 10 | 2.2m | 5.0m | 10uΔ | 10p# | 3.3m | 200S | # | T05 | DA | |
| 60 | 2N2497 | 500m | 20Δ | 20 | 20 | 20 | 10m | 3.0m | 10n | 1.0 | 0.0 | 10 | 1.0m% | 20u% | 32p# | 3.3m | 200S | # | T05 | DA | | |
| 61 | JAN2N2497 | 500m | 5.0† | 15 | 20 | 20 | 10m | 3.0m | 10n | 1.0 | 0.0 | 10 | 1.0m | 2.0m | 1.0k | 32p# | 3.3m | 200S | # | T05 | DA | |
| 62 | 2N2498 | 500m | 6.0† | 15 | 20 | 20Δ | 10m | 6.0m | 10n | 2.0 | 0.0 | 10 | 1.5m% | 40u% | 800 | 32p# | 3.3m | 200S | # | T05 | DA | |
| 63 | JAN2N2498 | 500m | 6.0† | 15 | 20 | 20Δ | 10m | 6.0m | 10n | 2.0 | 0.0 | 10 | 1.5m% | 40u% | 800 | 32p# | 3.3m | 200S | # | T05 | DA | |
| 64 | 2N2499 | 500m | 8.0† | 15 | 20 | 20Δ | 10m | 15m | 10n | 5.0 | 0.0 | 10 | 2.0m% | 4.0m% | 100u% | 600 | 32p# | 3.3m | 200S | # | T05 | DA |
| 65 | JAN2N2499 | 500m | 8.0† | 15 | 20 | 20Δ | 10m | 15m | 10n | 5.0 | 0.0 | 10 | | | | | | | | | | |