

7. SILICON FIELD EFFECT TRANSISTORS - N CHANNEL

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

| LINE No. | TYPE No. | 1 MAX. DEVICE DISS @ 25°C (W) | MAX. Vp (V) | ABS MAX RATINGS @ 25°C | | | | MAX. Id @ Vgs=0 (A) | | MAX. Id @ Vgs=0 & Vds=V (A) | TEST COND | | PARAMETERS @ 25°C | | | | DERATE | | STRUC-TURE | DWG #/a TO200 Ser. | # O D A E |
|----------|----------|----------------------------------|-------------|------------------------|---------|---------|---------|---------------------|--------|-----------------------------|-----------|--------|-------------------|---------|--------------------------|------------|--------------|--------------|------------|--------------------|-----------|
| | | | | Id @ 0 (A) | Vds (V) | Vgs (V) | Vds (V) | Ig (A) | Ig (A) | | Ig (A) | Ig (A) | Vgs (V) | Vds (V) | COMMON SOURCE gfs (mhos) | Yos (mhos) | r(DS) on (Ω) | MAX. Cis (F) | | | |
| 1 | J100 | 350m | 10f | 20 | 30 | 30 | 10m | 20m | 0.5n | 0.0 | 20 | 0.5m | 20 | 3.0kt | 8p | 150S | | T092 | DD | | |
| 2 | J101 | 350m | 15f | 20 | 30 | 10m | 1.0m | 0.5n | 0.0 | 20 | 0.5m | 20 | 3.0kt | 8p | 150S | | T092 | DD | | | |
| 3 | J102 | 350m | 4.0f | 20 | 30 | 10m | 4.5m | 0.5n | 0.0 | 20 | 1.0m | 20 | 1.2kt | 8p | 150S | | T092 | DD | | | |
| 4 | J103 | 350m | 10f | 20 | 30 | 10m | 20m | 0.5n | 0.0 | 20 | 1.5m | 20 | 650 | 8p | 150S | | T092 | DD | | | |
| 5 | J107 | 350m | 4.5f | 20 | 30 | 50m | 100m | 3.0n | 0.0 | 20 | 3.0m | 20 | 8.0% | 160p# | 3.5m | 150S | # | T092 | DD | | |
| 6 | J111A | 350m | 10f | 5 | 40 | 10m | 30m | 0.2n | 0.0 | 20 | 3.0m | 20 | 30% | 5p# | 150S | | T092 | DD | | | |
| 7 | J112A | 350m | 7.0f | 5 | 40 | 10m | 15m | 0.2n | 0.0 | 20 | 1.5m | 20 | 50% | 5p# | 150S | | T092 | DD | | | |
| 8 | J113A | 350m | 5.0f | 5 | 40 | 10m | 8m | 0.2n | 0.0 | 20 | 1.5m | 20 | 100% | 5p# | 150S | | T092 | DD | | | |
| 9 | J114 | 350m | 10f | 5 | 25 | 50m | 15m | 1.0n | 0.0 | 20 | 3.0m | 20 | 150% | 8.0p# | 3.5m | 125A | # | T092 | DE | | |
| 10 | J201 | 350m | 1.5f | 20 | 40 | 50m | 1.0m | 100p | 0.0 | 20 | 500t | 20 | 5.0n# | 3.5m | 125A | # | T092 | DE | | | |
| 11 | J202 | 350m | 4.0f | 20 | 40 | 50m | 4.5m | 100p | 0.0 | 20 | 1.0m | 20 | 5.0n# | 3.5m | 125A | # | T092 | DE | | | |
| 12 | J203 | 350m | 10f | 20 | 40 | 50m | 20m | 100p | 0.0 | 20 | 1.5m | 20 | 5.0n# | 3.5m | 125A | # | T092 | DE | | | |
| 13 | J210 | 350m | 3.0f | 15 | 25 | 10m | 15m | 100p | 0.0 | 15 | 4.0m | 12m | 5.0p# | 3.5m | 125A | # | T092 | DE | | | |
| 14 | J211 | 350m | 4.5f | 15 | 25 | 10m | 20m | 100p | 0.0 | 15 | 7.0m | 12m | 5.0p# | 3.5m | 125A | # | T092 | DE | | | |
| 15 | J212 | 350m | 6.0f | 15 | 25 | 10m | 40m | 100p | 0.0 | 15 | 7.0m | 12m | 5.0p# | 3.5m | 125A | # | T092 | DE | | | |
| 16 | J300 | 350m | 6.0f | 10 | 25 | 10m | 30m | 500p | 5.0 | 15 | 4.5m | 9.0m | 200u% | 5.5p# | 3.5m | 125A | # | T092 | DE | | |
| 17 | J304 | 350m | 6.0f | 15 | 30 | 10m | 15m | 100p | 0.0 | 15 | 4.5m | 7.5m | 50u% | 3.0p# | 3.5m | 125A | # | T092 | DE | | |
| 18 | J305 | 350m | 3.0f | 15 | 30 | 10m | 8.0m | 100p | 0.0 | 15 | 3.0m | 7.0m | 50u% | 3.0p# | 3.5m | 125A | # | T092 | DD | | |
| 19 | J401# | 350m | 2.5f | 15 | 50* | 50 | 10m | 10m | 25p | 0.0 | 10 | 2.0m | 7.0m | 8.0p# | 3.5m | 125A | # | S16 | QQ | | |
| 20 | J402# | 350m | 2.5f | 15 | 50* | 50 | 10m | 10m | 25p | 0.0 | 10 | 2.0m | 7.0m | 8.0p# | 3.5m | 125A | # | S16 | QQ | | |
| 21 | J403# | 350m | 2.5f | 15 | 50* | 50 | 10m | 10m | 25p | 0.0 | 10 | 2.0m | 7.0m | 8.0p# | 3.5m | 125A | # | S16 | QQ | | |
| 22 | J404# | 350m | 2.5f | 15 | 50* | 50 | 10m | 10m | 25p | 0.0 | 10 | 2.0m | 7.0m | 8.0p# | 3.5m | 125A | # | S16 | QQ | | |
| 23 | J405# | 350m | 2.5f | 15 | 50* | 50 | 10m | 10m | 25p | 0.0 | 10 | 2.0m | 7.0m | 8.0p# | 3.5m | 125A | # | S16 | QQ | | |
| 24 | J406# | 350m | 2.5f | 15 | 50* | 50 | 10m | 10m | 25p | 0.0 | 10 | 2.0m | 7.0m | 8.0p# | 3.5m | 125A | # | S16 | QQ | | |
| 25 | J410CN | 350m | 3.5f | 20 | 40 | 50m | 6.0m | 250p | 0.0 | 20 | 1.0m | 4.0m | 20u% | 4.5p# | 3.5m | 125A | # | S16 | QQ | | |
| 26 | J411CN | 350m | 3.5f | 20 | 40 | 50m | 6.0m | 250p | 0.0 | 20 | 1.0m | 4.0m | 20u% | 4.5p# | 3.5m | 125A | # | S16 | QQ | | |
| 27 | J412CN | 350m | 3.5f | 20 | 40 | 50m | 6.0m | 250p | 0.0 | 20 | 1.0m | 4.0m | 20u% | 4.5p# | 3.5m | 125A | # | S16 | QQ | | |
| 28 | J4091 | 350m | -10f | 20 | -40# | 10m | 30m | 200p | 0.0 | 20 | 1.0m | 4.0m | 80% | 5.0p# | 150S | # | T092 | DE | | | |
| 29 | J4092 | 350m | -7f | 20 | -40# | 10m | 15m | 200p | 0.0 | 20 | 1.0m | 4.0m | 80% | 5.0p# | 150S | # | T092 | DE | | | |
| 30 | J4093 | 350m | -5f | 20 | -40# | 10m | 8.0m | 200p | 0.0 | 20 | 1.0m | 4.0m | 80% | 5.0p# | 150S | # | T092 | DE | | | |
| 31 | J4220 | 350m | -4f | 15 | -30# | 10m | 3.0m | -1n | 0 | 15 | 1.0m | 4.0m | 6.0p# | 150S | # | T092 | DE | | | | |
| 32 | J4221 | 350m | -6f | 15 | -30# | 10m | 6.0m | -1n | 0 | 15 | 2.0m | 5.0m | 6.0p# | 150S | # | T092 | DE | | | | |
| 33 | J4222 | 350m | -8f | 15 | -30# | 10m | 15m | -1n | 0 | 15 | 2.5m | 6.0m | 6.0p# | 150S | # | T092 | DE | | | | |
| 34 | J4223 | 350m | -8f | 15 | -30# | 10m | 18m | -5n | 0 | 15 | 3.0m | 7.0m | 6.0p# | 150S | # | T092 | DE | | | | |
| 35 | J4224 | 350m | -8f | 15 | -30# | 10m | 20m | -5n | 0 | 15 | 2.0m | 7.5m | 6.0p# | 150S | # | T092 | DE | | | | |
| 36 | J4302 | 350m | 4.0f | 20 | 30 | 10m | 5m | 1.0n | 0.0 | 20 | 1.0m | 2.0m | 6p | 150S | | T092 | DD | | | | |
| 37 | J4303 | 350m | 8.0f | 20 | 30 | 10m | 10m | 1.0n | 0.0 | 20 | 2.0m | 2.0m | 6p | 150S | | T092 | DD | | | | |
| 38 | J4304 | 350m | 10f | 20 | 30 | 10m | 15m | 1.0n | 0.0 | 20 | 1.0m | 2.0m | 6p | 150S | | T092 | DD | | | | |
| 39 | J4338 | 350m | 1.0f | 15 | 50 | 10m | 0.6m | 0.1n | 0.0 | 15 | 0.6m | 1.8m | 2.5kt | 7p | 150S | | T092 | DD | | | |
| 40 | J4339 | 350m | 1.8f | 15 | 50 | 10m | 1.5m | 0.1n | 0.0 | 15 | 0.8m | 2.4m | 1.7kt | 7p | 150S | | T092 | DD | | | |
| 41 | J4391 | 350m | -10f | 20 | -40# | 10m | 150m | -1n | 0 | 15 | 3.0% | 3.5p# | 30% | 3.5p# | 150S | # | T092 | DE | | | |
| 42 | J4392 | 350m | -5f | 20 | -40# | 10m | 75m | -1n | 0 | 15 | 60% | 3.5p# | 60% | 3.5p# | 150S | # | T092 | DE | | | |
| 43 | J4393 | 350m | -3f | 20 | -40# | 10m | 30m | -1n | 0 | 15 | 100% | 3.5p# | 100% | 3.5p# | 150S | # | T092 | DE | | | |
| 44 | J4416 | 350m | -6f | 15 | -30# | 10m | 15m | -1n | 0 | 15 | 4.5m | 7.5m | 25% | 4.0p# | 150S | # | T092 | DE | | | |
| 45 | J4856 | 350m | -10f | 15 | -40# | 10m | 50m | 3n | 0 | 15 | 40% | 8.0p# | 40% | 8.0p# | 150S | # | T092 | DE | | | |
| 46 | J4857 | 350m | -6f | 15 | -40# | 10m | 100m | -3n | 0 | 15 | 60% | 8.0p# | 60% | 8.0p# | 150S | # | T092 | DE | | | |
| 47 | J4858 | 350m | -4f | 15 | -40# | 10m | 80m | -3n | 0 | 15 | 25% | 8.0p# | 25% | 8.0p# | 150S | # | T092 | DE | | | |
| 48 | J4859 | 350m | -10f | 15 | -30# | 10m | 50m | 3n | 0 | 15 | 40% | 8.0p# | 40% | 8.0p# | 150S | # | T092 | DE | | | |
| 49 | J4860 | 350m | -6f | 15 | -30# | 10m | 100m | -3n | 0 | 15 | 60% | 8.0p# | 60% | 8.0p# | 150S | # | T092 | DE | | | |
| 50 | J4861 | 350m | -4f | 15 | -30# | 10m | 80m | -3n | 0 | 15 | 25% | 8.0p# | 25% | 8.0p# | 150S | # | T092 | DE | | | |
| 51 | J4867A | 350m | 2.0f | 20 | 40 | 10m | 1.2m | 25n | 0.0 | 20 | 0.7m | 2.0m | 25p | 150S | | T092 | DF | | | | |
| 52 | J4868A | 350m | 3.0f | 20 | 40 | 10m | 3.0m | 25n | 0.0 | 20 | 1.0m | 3.0m | 25p | 150S | | T092 | DF | | | | |
| 53 | J4869A | 350m | 5.0f | 20 | 40 | 10m | 7.5m | 25n | 0.0 | 20 | 1.3m | 4.0m | 25p | 150S | | T092 | DF | | | | |
| 54 | J5103 | 350m | 4.0f | 15 | 25 | 10m | 8.0m | 0.5n | 0.0 | 15 | 2.0m | 8.0m | 5.0p | 150S | | T092 | DD | | | | |
| 55 | J5104 | 350m | 4.0f | 15 | 25 | 10m | 6.0m | 0.5n | 0.0 | 15 | 3.5m | 7.5m | 5.0p | 150S | | T092 | DD | | | | |
| 56 | J5105 | 350m | 4.0f | 15 | 25 | 10m | 15m | 0.5n | 0.0 | 15 | 5.0m | 10m | 5.0p | 150S | | T092 | DD | | | | |
| 57 | J5163 | 350m | 7.5f | 15 | 25 | 10m | 40m | 10n | 0.0 | 15 | 2.0m | 9.0m | 20p | 150S | | T092 | DD | | | | |
| 58 | KE4391 | 350m | 10f | 20 | 40 | 50m | 150m | 1.0n | 0.0 | 20 | 30 | 14p# | 3.5m | 125S | | TO106 | DB | | | | |
| 59 | KE4392 | 350m | 5.0f | 20 | 40 | 50m | 75m | 1.0n | 0.0 | 20 | 60 | 14p# | 3.5m | 125S | | TO106 | DB | | | | |
| 60 | KE4393 | 350m | 3.0f | 20 | 40 | 50m | 30m | 1.0n | 0.0 | 20 | 100 | 14p# | 3.5m | 125S | | TO106 | DB | | | | |
| 61 | KE4416 | 350m | 6.0f | 15 | 30 | 50m | 15m | 1.0n | 0.0 | 15 | 4.5m | 7.5m | 50u | 4.0p# | 3.5m | 125S | * | TO106 | DB | | |
| 62 | MEM636 | 350m | 1.5f | 15Δ | 20 | 6.0 | 30m | 50n | 100 | 15 | 12m | 18mΔ | 6.0p# | 2.4m | 175S | * | W28 | EQ | | | |
| 63 | MEM637 | 350m | 1.0f | 15Δ | 20 | 6.0 | 20m | 50n | 10 | 15 | 4.4mΔ | 6.0p# | 2.4m | 175S | * | W28 | EQ | | | | |
| 64 | MEM638 | 350m | 1.5f | 15Δ | 20 | 6.0 | 20m | 50n | 5.0 | 15 | 10m | 14mΔ | 5.1p# | 2.4m | 175S | * | W28 | EQ | | | |
| 65 | MPF130 | 350m | 4.0f | 15 | 25 | 30m | 30m | 20n | 4.0 | 15 | 8.0m | 20m | 4.5p# | 2.3m | 175J | * | W13 | EE | | | |
| 66 | MPF131 | 350m | 4.0f | 15 | 25 | 30m | 30m | 20n | 4.0 | 15 | 8.0m | 20m | 4.5p# | 2.3m | 175J | * | W13 | EE | | | |
| 67 | MPF132 | 350m | 4.0f | 15 | 25 | 30m | 30m | 20n | 4.0 | 15 | 8.0m | 20m | 4.5p# | 2.3m | 175J | * | W13 | EE | | | |
| 68 | MPF256 | 350m | 7.5f | 15Δ | 30 | 25 | 18m | 5.0n | 0.0 | 15 | 6.0m | 3.0p# | 2.7m | 150J | # | T092 | DD | | | | |
| 69 | NPB8301 | 350m | 3.5f | 20 | 40 | 50m | 6.0m | 100p | 0.0 | 20 | 1.0m | 4.0m | 20u% | 4.5p# | 3.5m | 125A | # | S16a | QW | | |
| 70 | NPB8302 | 350m | 3.5f | 20 | 40 | 50m | 6.0m | 100p | 0.0 | 20 | 1.0m | 4.0m | 20u% | 4.5p# | 3.5m | 125A | # | S16a | QW | | |
| 71 | NPB8303 | 350m | 3.5f | 20 | 40 | 50m | 6.0m | 100p | 0.0 | 20 | 1.0m | 4.0m | 20u% | 4.5p# | 3.5m | 125A | # | S16a | QW | | |
| 72 | PTC152 | 350m | 3.0f | 20 | 30 | 50m | 15m | 1.0n | 0.0 | 20 | 3.0m | 7.5m | 250 | 7.0p# | 200J | # | TO72 | DH | | | |
| 73 | U440 | 350m | 6.0f | 10 | 25 | 500p | 30m | 500p | 5.0 | 10 | 4.5k | 9.0k | 3.5p | 2.8 | 150S | # | TO71 | PC | | | |
| 74 | U441 | 350m | 6.0f | 10 | 25 | 500p | 30m | 500p | 5.0 | 10 | 4.5k | 9.0k | 3.5p | 2.8 | 150S | # | TO71 | PC | | | |
| 75 | U1837E | 350m | 8.0f | 15 | 30 | 30m | 10m | 25m | 250p | 0.0 | 15 | 4.0m | 150u% | 6.0p# | 3.5m | 125J | # | R97b | DB | | |
| 76 | U1897E1 | 350m | 10f | 20 | 40Δ | 30m | 30m | 30m | 0.4n | 0.0 | 20 | 30 | 16p# | 3.5m | 125J | # | R97b | DB | | | |
| 77 | U1897J | 350m | 10f | 20 | 40 | 30m | 30m | 30m | 0.4n | 0.0 | 20 | 30 | 16p | 3.5m | 125J | # | T092 | DD | | | |
| 78 | U1898E1 | 350m | 7.0f | 20 | 40Δ | 15m | 15m | 15m | 0. | | | | | | | | | | | | |