


N-Channel JFETs

General-Purpose Device Types

ELECTRICAL CHARACTERISTICS at $T_A = 25^\circ\text{C}$

| Device Type | V_{BRIGSS} | | I_{GSS} | | $V_{GS(EM)}$ | | | | I_{DSS} | | | g_{fs} | | | C_{ISS}^1 | | C_{RSS}^1 | | r_{DS} Max (Ω) | Process |
|-------------|--------------|---------------------------------|-----------|----------------------|--------------|---------|--------------|------------------|-----------|----------|----------------------|----------|----------|----------------------|-------------|----------------------|-------------|----------------------|---------------------------|---------|
| | Min (V) | $\approx I_G$ (μA) | Max (nA) | $\approx V_{GS}$ (V) | Limits | | Conditions | | Min (mA) | Max (mA) | $\approx V_{DS}$ (V) | Min (mS) | Max (mS) | $\approx V_{DS}$ (V) | Max (pF) | $\approx V_{DS}$ (V) | Max (pF) | $\approx V_{DS}$ (V) | | |
| | | | | | Min (V) | Max (V) | V_{DS} (V) | I_D (nA) | | | | | | | | | | | | |
| 2N3369 | -40 | -1.0 | -5.0 | -30 | — | -6.5 | 20 | 1.0 ² | 0.5 | 2.5 | 30 | 0.6 | 2.5 | 30 | 20 | 8.0 | 3.0 | 30 | — | NJ16 |
| 2N3370 | -40 | -1.0 | -5.0 | -30 | — | -3.2 | 20 | 1.0 ² | 0.1 | 0.6 | 30 | 0.3 | 2.5 | 30 | 20 | 8.0 | 3.0 | 30 | — | NJ16 |
| 2N3458 | -50 | -1.0 | -0.25 | -30 | — | 7.8 | 20 | 1.0 ² | 3.0 | 15 | 20 | 2.5 | 10 | 20 | 18 | -10 ³ | 5.0 | 30 | — | NJ16 |
| 2N3459 | -50 | -1.0 | -0.25 | -30 | — | 3.4 | 20 | 1.0 ² | 0.8 | 4.0 | 20 | 1.5 | 6.0 | 20 | 18 | -6 ³ | 5.0 | 30 | — | NJ16 |
| 2N3460 | -50 | -1.0 | -0.25 | -30 | — | 1.8 | 20 | 1.0 ² | 0.2 | 1.0 | 20 | 0.8 | 4.5 | 20 | 18 | -4 ³ | 5.0 | 30 | — | NJ16 |
| 2N3821 | -50 | -1.0 | -0.1 | -30 | — | 4.0 | 10 | 1.0 | 0.5 | 2.5 | 15 | 1.5 | 4.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ16 |
| 2N3822 | -50 | -1.0 | -0.1 | -30 | — | 6.0 | 10 | 1.0 | 2.0 | 10 | 15 | 3.0 | 6.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ32 |
| 2N3967 | -30 | -1.0 | -0.1 | -20 | 2.0 | 5.0 | 20 | 1.0 | 2.5 | 10 | 20 | 2.5 | — | 20 | 5.0 | 20 ⁴ | 1.3 | 20 ⁴ | — | NJ26 |
| 2N3967A | -30 | -1.0 | 0.1 | -20 | -2.0 | 5.0 | 20 | 1.0 | 2.5 | 10 | 20 | 2.5 | — | 20 | 5.0 | 20 ⁴ | 1.3 | 20 ⁴ | — | NJ26 |
| 2N3968 | -30 | -1.0 | -0.1 | -20 | — | -3.0 | 20 | 1.0 | 1.0 | 5.0 | 20 | 2.0 | — | 20 | 5.0 | 20 ⁵ | 1.3 | 20 ⁵ | — | NJ26 |
| 2N3968A | -30 | -1.0 | -0.1 | -20 | — | 3.0 | 20 | 1.0 | 1.0 | 5.0 | 20 | 2.0 | — | 20 | 5.0 | 20 ⁵ | 1.3 | 20 ⁵ | — | NJ26 |
| 2N3969 | -30 | -1.0 | -0.1 | -20 | — | -1.7 | 20 | 1.0 | 0.4 | 2.0 | 20 | 1.3 | — | 20 | 5.0 | 20 ⁶ | 1.3 | 20 ⁶ | — | NJ26 |
| 2N3969A | -30 | -1.0 | -0.1 | -20 | — | -1.7 | 20 | 1.0 | 0.4 | 2.0 | 20 | 1.3 | — | 20 | 5.0 | 20 ⁶ | 1.3 | 20 ⁶ | — | NJ26 |
| 2N4220 | -30 | -1.0 | -0.1 | -15 | — | -4.0 | 15 | 1.0 | 0.5 | 3.0 | 15 | 1.0 | 4.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ16 |
| 2N4220A | -30 | -1.0 | -0.1 | -15 | — | -4.0 | 15 | 1.0 | 0.5 | 3.0 | 15 | 1.0 | 4.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ16 |
| 2N4221 | 30 | -1.0 | -0.1 | -15 | — | 6.0 | 15 | 1.0 | 2.0 | 6.0 | 15 | 2.0 | 5.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ32 |
| 2N4221A | 30 | -1.0 | -0.1 | -15 | — | 6.0 | 15 | 1.0 | 2.0 | 6.0 | 15 | 2.0 | 5.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ32 |
| 2N4222 | -30 | -1.0 | -0.1 | -15 | — | -8.0 | 15 | 1.0 | 5.0 | 15 | 15 | 2.5 | 6.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ32 |
| 2N4222A | -30 | -1.0 | -0.1 | -15 | — | -8.0 | 15 | 1.0 | 5.0 | 15 | 15 | 2.5 | 6.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ32 |
| 2N4338 | -50 | -1.0 | -0.1 | -30 | -0.3 | -1.0 | 15 | 100 | 0.2 | 0.6 | 15 | 0.6 | 1.8 | 15 | 7.0 | 15 | 3.0 | 15 | 2500 | NJ16 |
| 2N4339 | -50 | -1.0 | -0.1 | -30 | -0.6 | -1.8 | 15 | 100 | 0.5 | 1.5 | 15 | 0.8 | 2.4 | 15 | 7.0 | 15 | 3.0 | 15 | 1700 | NJ16 |
| 2N4340 | -50 | -1.0 | -0.1 | -30 | -1.0 | -3.0 | 15 | 100 | 1.2 | 3.6 | 15 | 1.3 | 3.0 | 15 | 7.0 | 15 | 3.0 | 15 | 1500 | NJ16 |
| 2N4341 | -50 | -1.0 | -0.1 | -30 | -2.0 | -6.0 | 15 | 100 | 3.0 | 9.0 | 15 | 2.0 | 4.0 | 15 | 7.0 | 15 | 3.0 | 15 | 800 | NJ16 |
| 2N5103 | -25 | -1.0 | -0.1 | -15 | -0.5 | -4.0 | 15 | 1.0 | 1.0 | 8.0 | 15 | 2.0 | 8.0 | 15 | 5.0 | 15 | 1.0 | 15 | — | NJ26 |
| 2N5104 | -25 | -1.0 | -0.1 | -15 | -0.5 | -4.0 | 15 | 1.0 | 2.0 | 6.0 | 15 | 3.5 | 7.5 | 15 | 5.0 | 15 | 1.0 | 15 | — | NJ26 |
| 2N5105 | -25 | -1.0 | -0.1 | -15 | -0.5 | -4.0 | 15 | 1.0 | 5.0 | 15 | 15 | 5.0 | 10 | 15 | 5.0 | 15 | 1.0 | 15 | — | NJ26 |
| 2N5358 | -40 | -1.0 | -0.1 | -20 | -0.5 | -3.0 | 15 | 100 | 0.5 | 1.0 | 15 | 1.0 | 3.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ16 |
| 2N5359 | -40 | -1.0 | -0.1 | -20 | -0.8 | -4.0 | 15 | 100 | 0.6 | 1.6 | 15 | 1.2 | 3.6 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ16 |
| 2N5360 | -40 | -1.0 | -0.1 | -20 | -0.8 | -4.0 | 15 | 100 | 1.5 | 3.0 | 15 | 1.4 | 4.2 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ16 |
| 2N5361 | -40 | -1.0 | -0.1 | -20 | -1.0 | -6.0 | 15 | 100 | 2.5 | 5.0 | 15 | 1.5 | 4.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ16 |
| 2N5362 | -40 | -1.0 | -0.1 | -20 | -2.0 | -7.0 | 15 | 100 | 4.0 | 8.0 | 15 | 2.0 | 5.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ32 |
| 2N5363 | -40 | -1.0 | -0.1 | -20 | -2.5 | -8.0 | 15 | 100 | 7.0 | 14 | 15 | 2.5 | 6.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ32 |
| 2N5364 | -40 | -1.0 | -0.1 | -20 | -2.5 | -8.0 | 15 | 100 | 9.0 | 18 | 15 | 2.7 | 6.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | NJ32 |

- NOTES
 1) $V_{GS} = 0\text{ V}$
 2) I_D in μA
 3) $V_{DS} = 0\text{ V}$, V_{GS} in volts
 4) $I_D = 1.0\text{ mA}$
 5) $I_D = 500\ \mu\text{A}$
 6) $I_D = 200\ \mu\text{A}$

 InterFET.
 214-487-1287
 FAX 214-276-3375