

PRODUCT CATALOG

LOW POWER FIELD EFFECT TRANSISTORS

SWITCHING, N-CHANNEL FETS

| Type Number | Case Style (TO—) | Geometry | •BVD _{go} or BV _{gss} | | C _{iss} Max (pF) | C _{rss} Max (pF) | V _{gs} (off) | | I _{ds} | | I _{gss} or •I _{dgo} Max (nA) | R(on) Max (ohms) | T(on) Max (nS) | T(off) Max (nS) |
|-------------|------------------|----------|---|---------|---------------------------|---------------------------|-----------------------|---------|-----------------|----------|--|------------------|----------------|-----------------|
| | | | Min (V) | Max (V) | | | Min (V) | Max (V) | Min (mA) | Max (mA) | | | | |
| 2N3824 | 72 | FN3.6 | 50 | 6.0 | 3.0 | — | 8.0 | — | — | 0.10 | 250 | — | — | |
| 2N3966 | 72 | FN2.5 | 30 | 6.0 | 1.5 | 4.0 | 6.0 | 2.0 | — | 1.00 | 220 | — | — | |
| 2N3970 | 18 | FN7.1 | 40 | 25.0 | 6.0 | 4.0 | 10.0 | 50.0 | 150 | • .25 | 30 | 20.0 | 30 | |
| 2N3971 | 18 | FN7.1 | 40 | 25.0 | 6.0 | 2.0 | 5.0 | 25.0 | 75 | • .25 | 60 | 30.0 | 60 | |
| 2N3972 | 18 | FN7.1 | 40 | 25.0 | 6.0 | 0.5 | 3.0 | 5.0 | 30 | • .25 | 100 | 80.0 | 100 | |
| 2N4091 | 18 | FN7.1 | 40 | 16.0 | 5.0 | 5.0 | 10.0 | 30.0 | — | • 0.20 | 30 | 25.0 | 40 | |
| 2N4092 | 18 | FN7.1 | 40 | 16.0 | 5.0 | 2.0 | 7.0 | 15.0 | — | • 0.20 | 50 | 35.0 | 60 | |
| 2N4093 | 18 | FN7.1 | 40 | 16.0 | 5.0 | 1.0 | 5.0 | 8.0 | — | • 0.20 | 80 | 60.0 | 80 | |
| 2N4391 | 18 | FN7.1 | 40 | 14.0 | 3.5 | 4.0 | 10.0 | 50.0 | 150 | 0.10 | 30.0 | 20.0 | 35 | |
| 2N4392 | 18 | FN7.1 | 40 | 14.0 | 3.5 | 2.0 | 5.0 | 25.0 | 75 | 0.10 | 60 | 20.0 | 55 | |
| 2N4393 | 18 | FN7.1 | 40 | 14.0 | 3.5 | 0.5 | 3.0 | 5.0 | 30 | 0.10 | 100 | 20.0 | 80 | |
| 2N4856• | 18 | FN7.1 | 40 | 18.0 | 8.0 | 4.0 | 10.0 | 50.0 | 175 | 0.25 | 25 | 9.0 | 25 | |
| 2N4856A | 18 | FN7.1 | 40 | 10.0 | 4.0 | 4.0 | 10.0 | 50.0 | 175 | 0.25 | 20 | 8.0 | 20 | |
| 2N4857• | 18 | FN7.1 | 40 | 18.0 | 8.0 | 2.0 | 6.0 | 20.0 | 100 | 0.25 | 40 | 10.0 | 50 | |
| 2N4857A | 18 | FN7.1 | 40 | 10.0 | 3.5 | 2.0 | 6.0 | 20.0 | 100 | 0.25 | 40 | 10.0 | 40 | |
| 2N4858• | 18 | FN7.1 | 40 | 18.0 | 8.0 | 0.8 | 4.0 | 8.0 | 80 | 0.25 | 60 | 20.0 | 100 | |
| 2N4858A | 18 | FN7.1 | 40 | 10.0 | 3.5 | 0.8 | 4.0 | 8.0 | 80 | 0.25 | 60 | 16.0 | 80 | |
| 2N4859• | 18 | FN7.1 | 30 | 18.0 | 8.0 | 4.0 | 10.0 | 50.0 | 175 | 0.25 | 25 | 9.0 | 25 | |
| 2N4859A | 18 | FN7.1 | 30 | 10.0 | 4.0 | 4.0 | 10.0 | 50.0 | 175 | 0.25 | 25 | 8.0 | 20 | |
| 2N4860• | 18 | FN7.1 | 30 | 18.0 | 8.0 | 2.0 | 6.0 | 20.0 | 100 | 0.25 | 40 | 10.0 | 50 | |
| 2N4860A | 18 | FN7.1 | 30 | 10.0 | 3.5 | 2.0 | 6.0 | 20.0 | 100 | 0.25 | 40 | 10.0 | 40 | |
| 2N4861• | 18 | FN7.1 | 30 | 18.0 | 8.0 | 0.8 | 4.0 | 8.0 | 80 | 0.25 | 60 | 20.0 | 100 | |
| 2N4861A | 18 | FN7.1 | 30 | 10.0 | 3.5 | 0.8 | 4.0 | 8.0 | 80 | 0.25 | 60 | 16.0 | 80 | |
| 2N4977 | 18 | FN9.1 | 30 | 35.0 | 8.0 | 4.0 | 10.0 | 50.0 | — | 0.50 | 15 | — | 20 | |
| 2N4978 | 18 | FN7.1 | 30 | 35.0 | 8.0 | 2.0 | 8.0 | 15.0 | — | 0.50 | 20 | — | 40 | |
| 2N4979 | 18 | FN7.1 | 30 | 35.0 | 8.0 | 0.5 | 5.0 | 7.5 | — | 0.50 | 40 | — | 60 | |
| 2N5555 | 92 | FN2.5 | 25 | 5.0 | 1.2 | — | 10.0 | 15.0 | — | 1.00 | 150 | 10.0 | 25 | |
| 2N5638 | 92 | FN7.1 | 30 | 10.0 | 4.0 | — | 12.0 | 50.0 | — | 1.00 | 30 | — | 25 | |
| 2N5639 | 92 | FN7.1 | 30 | 10.0 | 4.0 | — | 8.0 | 25.0 | — | 1.00 | 60 | — | — | |
| 2N5640 | 92 | FN7.1 | 30 | 10.0 | 4.0 | — | 6.0 | 5.0 | — | 1.00 | 100 | — | — | |
| 2N5653 | 92 | FN7.1 | 30 | 10.0 | 3.5 | — | 12.0 | 40.0 | — | 1.00 | 50 | 9.0 | 15 | |
| 2N5654 | 92 | FN7.1 | 25 | 10.0 | 3.5 | — | 8.0 | 15.0 | — | 1.00 | 100 | 14.0 | 30 | |
| J109 | 92 | FN9.1 | 25 | 85.0 | 15.0 | 2.0 | 6.0 | 40.0 | — | 3.00 | 12 | — | — | |
| KK3970 | 92 | FN7.1 | 40 | 25.0 | 6.0 | 4.0 | 10.0 | 5.00 | 150 | •25.0 | 30 | 20.0 | 40 | |
| KK3971 | 92 | FN7.1 | 40 | 25.0 | 6.0 | 2.0 | 5.0 | 25.0 | 75 | •25.0 | 60 | 30.0 | 60 | |
| KK3972 | 92 | FN7.1 | 40 | 25.0 | 6.0 | 0.5 | 3.0 | 5.0 | 30 | •25.0 | 100 | 80.0 | 100 | |
| KK4091 | 92 | FN7.1 | 40 | 16.0 | 5.0 | 5.0 | 10.0 | 30.0 | — | •1.00 | 30 | 25.0 | 40 | |
| KK4092 | 92 | FN7.1 | 40 | 16.0 | 5.0 | 2.0 | 7.0 | 15.0 | — | 1.00 | 50 | 35.0 | 60 | |
| KK4093 | 92 | FN7.1 | 40 | 16.0 | 5.0 | 1.0 | 5.0 | 8.0 | — | •1.00 | 80 | 60.0 | 80 | |
| KK4391 | 92 | FN7.1 | 40 | 14.0 | 3.5 | 4.0 | 10.0 | 50.0 | 150 | 1.00 | 30 | 20.0 | 35 | |
| KK4392 | 92 | FN7.1 | 40 | 14.0 | 3.5 | 2.0 | 5.0 | 25.0 | 75 | 1.00 | 60 | 40.0 | 80 | |
| KK4393 | 92 | FN7.1 | 40 | 14.0 | 3.5 | 0.5 | 3.0 | 5.0 | 30 | 1.00 | 100 | 55.0 | 130 | |

* These devices are qualified for JAN, JTX, and JTXV.

Most of these devices are available in an epoxy TO-92 package (KK prefix) with similar electrical characteristics. Specify KB prefix for leads formed to TO-18/TO-106 pin circle configuration.