

LOW POWER FIELD EFFECT TRANSISTORS

DUAL N-CHANNEL FETS

| Type Number                               | Case Style (TO—) | Geometry | BV <sub>gss</sub> | C <sub>iss</sub> | V <sub>gss</sub> (off) |            | I <sub>dss</sub> |             | Y <sub>fs</sub> |                | Y <sub>fs</sub> <sup>1</sup> /<br>Y <sub>fs</sub> <sup>2</sup> | I <sub>dss</sub> <sup>1</sup> /<br>I <sub>dss</sub> <sup>2</sup> | V <sub>gs</sub> <sup>1</sup> /<br>V <sub>gs</sub> <sup>2</sup> | ΔV <sub>gs</sub><br>(μV/°C) | Y <sub>os</sub> | I <sub>gss</sub> |
|---|------------------|----------|-------------------|------------------|------------------------|------------|------------------|-------------|-----------------|----------------|--|--|--|-----------------------------|-----------------|------------------|
|   |                  |          | Min<br>(V)        | Max<br>(pF)      | Min<br>(V)             | Max<br>(V) | Min<br>(mA)      | Max<br>(mA) | Min<br>(UMhos)  | Max<br>(UMhos) | Match<br>(%)   | Match<br>(%)   | (mV)   |                             | Max<br>(μMhos)  | Max<br>(nA)      |
| 2N3921                                    | 71               | FN3.6    | 50                | 18.0             | 0.2                    | 3.0        | 1.0              | 10.0        | 1500            | 7500           | 5.0  | —  | 5.0  | 10.0                        | 35              | 0.250            |
| 2N3922                                    | 71               | FN3.6    | 50                | 18.0             | 0.2                    | 3.0        | 1.0              | 10.0        | 1500            | 7500           | 5.0  | —  | 5.0  | 25.0                        | 35              | 0.250            |
| 2N3954                                    | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 3.0  | 5.0  | 5.0  | 10.0                        | 35              | 0.100            |
| 2N3954A                                   | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 3.0  | 5.0  | 5.0  | 5.0                         | 35              | 0.100            |
| 2N3955                                    | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 5.0  | 5.0  | 10.0   | 25.0                        | 35              | 0.100            |
| 2N3955A                                   | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 3.0  | 5.0  | 10.0   | 15.0                        | 35              | 0.100            |
| 2N3956                                    | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 3.0  | 5.0  | 18.0   | 50.0                        | 35              | 0.100            |
| 2N3957                                    | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 10.0   | 10.0   | 20.0   | 75.0                        | 35              | 0.100            |
| 2N3958                                    | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 15.0   | 15.0   | 25.0   | 100.0                       | 35              | 0.100            |
| 2N4082                                    |                  | FN22.2   |                   |                  |                        |            |                  |             |                 |                |  |  |  |                             |                 |                  |
| See 2N 3954-6 as an improved replacement. |                  |          |                   |                  |                        |            |                  |             |                 |                |  |  |  |                             |                 |                  |
| 2N4083                                    |                  | FN39.8   |                   |                  |                        |            |                  |             |                 |                |  |  |  |                             |                 |                  |
| See 2N 3954-6 as an improved replacement. |                  |          |                   |                  |                        |            |                  |             |                 |                |  |  |  |                             |                 |                  |
| 2N4084                                    | 71               | FN3.6    | 50                | 18.0             | —                      | 2.7        | 1.0              | 10.0        | 1500            | —              | 5.0  | —  | 15.0   | 10.0                        | 35              | 0.250            |
| 2N4085                                    | 71               | FN3.6    | 50                | 18.0             | 1.0                    | 2.0        |                  |             | 1500            | —              | 5.0  | —  | 25.0   | 25.0                        | 35              | 0.250            |
| 2N5045                                    | 71               | FN22.2   | 50                | 8.0              | 0.5                    | 4.5        | 0.5              | 8.0         | 1500            | 6000           | 5.0  | 5.0  | 5.0  | 67.0                        | 25              | 0.250            |
| 2N5046                                    | 71               | FN22.2   | 50                | 8.0              | 0.5                    | 4.5        | 0.5              | 8.0         | 1500            | 6000           | 10.0   | 10.0   | 10.0   | 133.0                       | 25              | 0.250            |
| 2N5047                                    | 71               | FN22.2   | 50                | 8.0              | 0.5                    | 4.5        | 0.5              | 8.0         | 1500            | 6000           | 20.0   | 20.0   | 15.0   | 200.0                       | 25              | 0.025            |
| 2N5196                                    | 71               | FN22.2   | 50                | 6.0              | 0.7                    | 4.0        | 0.7              | 7.0         | 1000            | 4000           | 3.0  | 5.0  | 5.0  | 5.0                         | 50              | 0.025            |
| 2N5197                                    | 71               | FN22.2   | 50                | 6.0              | 0.7                    | 4.0        | 0.7              | 7.0         | 1000            | 4000           | 3.0  | 5.0  | 5.0  | 10.0                        | 50              | 0.025            |
| 2N5198                                    | 71               | FN22.2   | 50                | 6.0              | 0.7                    | 4.0        | 0.7              | 7.0         | 1000            | 4000           | 5.0  | 5.0  | 10.0   | 20.0                        | 50              | 0.025            |
| 2N5199                                    | 71               | FN22.2   | 50                | 6.0              | 0.7                    | 4.0        | 0.7              | 7.0         | 1000            | 4000           | 5.0  | 5.0  | 15.0   | 40.0                        | 50              | 0.025            |
| 2N5452                                    | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 5.0  | 5.0  | 5.0  | 5.0                         | 1               | 0.100            |
| 2N5453                                    | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 3.0  | 5.0  | 10.0   | 10.0                        | 1               | 0.100            |
| 2N5454                                    | 71               | FN22.2   | 50                | 4.0              | 1.0                    | 4.5        | 0.5              | 5.0         | 1000            | 3000           | 5.0  | 5.0  | 15.0   | 25.0                        | 1               | 0.100            |
| 2N5515                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 3.0  | 5.0  | 5.0  | 5.0                         | 1               | 0.250            |
| 2N5516                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 3.0  | 5.0  | 5.0  | 10.0                        | 1               | 0.250            |
| 2N5517                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 5.0  | 5.0  | 10.0   | 20.0                        | 1               | 0.250            |
| 2N5518                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 5.0  | 5.0  | 15.0   | 40.0                        | 1               | 0.250            |
| 2N5519                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 10.0   | 10.0   | 15.0   | 80.0                        | 1               | 0.250            |
| 2N5520                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 3.0  | 5.0  | 5.0  | 5.0                         | 1               | 0.250            |
| 2N5521                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 3.0  | 5.0  | 5.0  | 10.0                        | 1               | 0.250            |
| 2N5522                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 5.0  | 5.0  | 10.0   | 20.0                        | 1               | 0.250            |
| 2N5523                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 5.0  | 5.0  | 15.0   | 40.0                        | 1               | 0.250            |
| 2N5524                                    | 71               | FN39.8   | 40                | 25.0             | 0.8                    | 4.0        | 0.5              | 7.5         | 1000            | 4000           | 10.0   | 10   | 15.0   | 80.0                        | 1               | 0.250            |
| 2N5545*                                   | 71               | FN3.6    | 50                | 6.0              | 0.5                    | 4.5        | 0.5              | 8.0         | 1500            | 6000           | 3.0  | 5.0  | 5.0  | 10.0                        | 25              | 0.100            |
| 2N5546*                                   | 71               | FN3.6    | 50                | 6.0              | 0.5                    | 4.5        | 0.5              | 8.0         | 1500            | 6000           | 5.0  | 10.0   | 10.0   | 20.0                        | 25              | 0.100            |
| 2N5547*                                   | 71               | FN3.6    | 50                | 6.0              | 0.5                    | 4.5        | 0.5              | 8.0         | 1500            | 6000           | 10.0   | 10.0   | 15.0   | 40.0                        | 25              | 0.100            |
| 2N5661                                    | 71               | FN5.5    | 50                | 15.0             | 0.8                    | 3.0        | 1.0              | 10.0        | 2000            | 3000           | 3.0  | 5.0  | 5.0  | 5.0                         | 25              | 100              |
| 2N5562                                    | 71               | FN5.5    | 50                | 15.0             | 0.8                    | 3.0        | 1.0              | 10.0        | 2000            | 3000           | 3.0  | 5.0  | 10.0   | 10.0                        | 25              | 100              |
| 2N5563                                    | 71               | FN5.5    | 50                | 15.0             | 0.8                    | 3.0        | 1.0              | 10.0        | 2000            | 3000           | 5.0  | 5.0  | 15.0   | 25.0                        | 25              | 100              |
| 2N5564                                    | 71               | FN7.1    | 40                | 12.0             | 0.5                    | 3.0        | 5.0              | 30.0        | 7500            | 15000          | 5.0  | 5.0  | 5.0  | 10.0                        | 45              | 0.100            |
| 2N5565                                    | 71               | FN7.1    | 40                | 12.0             | 0.5                    | 3.0        | 5.0              | 30.0        | 7500            | 15000          | 10.0   | 5.0  | 10.0   | 25.0                        | 45              | 0.100            |
| 2N5566                                    | 71               | FN7.1    | 40                | 12.0             | 0.5                    | 3.0        | 5.0              | 30.0        | 7500            | 15000          | 10.0   | 5.0  | 20.0   | 50.0                        | 45              | 0.100            |

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