

V<sub>DSS</sub> = 600V, N-channel

| Type No.* | Package  | Absolute maximum ratings at Ta = 25°C |                        |                       | Electrical characteristics at Ta = 25°C                           |                                 |                                 |                               |
|-----------|----------|---------------------------------------|------------------------|-----------------------|---|---------------------------------|---------------------------------|-------------------------------|
|           |          | V <sub>DSS</sub><br>(V)               | V <sub>GS</sub><br>(V) | I <sub>b</sub><br>(A) | R <sub>DS(on)</sub><br>typ/max at<br>V <sub>GS</sub> = 15V<br>(Ω) | C <sub>iss</sub><br>typ<br>(pF) | C <sub>oss</sub><br>typ<br>(pF) | Q <sub>s</sub><br>typ<br>(nC) |
| 2SK2623   | TP       | 600                                   | ±30                    | 1.5                   | 4.2/5.5   | 300                             | 45                              | 8                             |
| 2SK2678   | TO-220FI |                                       |                        | 3                     | 2.0/2.6   | 550                             | 85                              | 15                            |
| 2SK2624   |          |                                       |                        |                       |   |                                 |                                 |                               |
| TS9902    | TO-220   |                                       |                        | 3.5                   | 1.5/2.0   | 700                             | 110                             | 20                            |
| TS9904    | ZP       |                                       |                        | 4                     |   |                                 |                                 |                               |
| 2SK2625   | TO-220FI |                                       |                        | 5                     | 0.9/1.2   | 1100                            | 160                             | 30                            |
| 2SK2626   | SMP      |                                       |                        |                       |   |                                 |                                 |                               |
| 2SK2627   | ZP       |                                       |                        | 6                     | 0.75/1.0  | 1450                            | 220                             | 35                            |
| TS9650    | TO-220   |                                       |                        |                       |   |                                 |                                 |                               |
| 2SK2628   | TO-220FI |                                       |                        | 7                     | 0.6/0.8   | 1750                            | 270                             | 45                            |
| TS9914    | ZP       |                                       |                        | 8                     |   |                                 |                                 |                               |
| TS9912    | TO-220   |                                       |                        | 8                     | 9   | 9                               | 9                               | 9                             |
| TS9918    | TO-220FI |                                       |                        | 7                     |   |                                 |                                 |                               |
| TS9922    | TO-3PML  |                                       |                        | 8                     | 10  | 10                              | 10                              | 10                            |
| TS9654    | TO-220   |                                       |                        |                       |   |                                 |                                 |                               |
| 2SK2629   | TO-3PB   |                                       |                        | 9                     | 12  | 12                              | 12                              | 12                            |
| TS9926    | TO-3PML  |                                       |                        |                       |   |                                 |                                 |                               |
| TS9456    | TO-220   |                                       |                        | 12                    | 12  | 12                              | 12                              | 12                            |
| 2SK2630   | TO-3PB   |                                       |                        |                       |   |                                 |                                 |                               |

\* Type Nos. with TS are in-house numbers.