

| 型 名             | 社 名  | 用 途           | 構 造 | チ<br>ム<br>ス<br>ド | 最 大 定 格     |           |             |         |           |         |               | 電 気 的 特 性 (Ta=25℃)               |                        |                                  |                                  |                        |                                      |                                      |                        |                       |                                |                                |                        |                       |     |
|-----------------|------|---------------|-----|------------------|-------------|-----------|-------------|---------|-----------|---------|---------------|----------------------------------|------------------------|----------------------------------|----------------------------------|------------------------|--------------------------------------|--------------------------------------|------------------------|-----------------------|--------------------------------|--------------------------------|------------------------|-----------------------|-----|
|                 |      |               |     |                  | V***<br>(V) | 区分<br>*** | Vgs*<br>(V) | 区分<br>* | I*<br>(A) | 区分<br>* | Pd/Pch<br>(W) | I <sub>gss</sub><br>(max)<br>(A) | V <sub>gs</sub><br>(V) | I <sub>gss</sub><br>(min)<br>(A) | I <sub>gss</sub><br>(max)<br>(A) | V <sub>gs</sub><br>(V) | V <sub>gs(off)</sub><br>(min)<br>(V) | V <sub>gs(off)</sub><br>(max)<br>(V) | V <sub>DS</sub><br>(V) | I <sub>D</sub><br>(A) | G <sub>m</sub><br>(min)<br>(S) | G <sub>m</sub><br>(typ)<br>(S) | V <sub>DS</sub><br>(V) | I <sub>D</sub><br>(A) |     |
| 2SK1271         | NEC  | SW, HV        | MOS | N E              | 1400        | DSS       | ±20         | S       | ±5        | D       | 240           | ±100n                            | ±20                    |                                  | 100μ                             | 1120                   | 1.5                                  | 3.5                                  | 10                     | 1m                    | 1.5                            |                                | 20                     |                       | 3   |
| 2SK1272         | NEC  | HS SW         | MOS | N E              | 60          | DSS       | ±20         | S       | ±1        | D       | 0.75          | ±10μ                             | ±20                    |                                  | 10μ                              | 60                     | 1                                    | 2.5                                  | 10                     | 1m                    | 0.4                            |                                | 10                     |                       | 0.5 |
| 2SK1273         | NEC  | HS SW         | MOS | N E              | 60          | DSS       | ±20         | S       | ±2        | D       | 2             | ±10μ                             | ±20                    |                                  | 10μ                              | 60                     | 1                                    | 2.5                                  | 10                     | 1m                    | 0.4                            |                                | 10                     |                       | 0.5 |
| 2SK1274         | NEC  | HS SW         | MOS | N E              | 60          | DSS       | ±20         | S       | ±1.5      | D       | 1             | ±10μ                             | ±20                    |                                  | 10μ                              | 60                     | 1                                    | 2.5                                  | 10                     | 1m                    | 0.4                            |                                | 10                     |                       | 0.5 |
| 2SK1275         | 日立   | SW-Reg, DDC   | MOS | N E              | 900         | DSS       | ±20         | S       | 2         | D       | 30            | ±10μ                             | ±16                    |                                  | 250μ                             | 720                    | 2                                    | 4                                    | 10                     | 1m                    | 0.6                            | 1                              | 20                     |                       | 1   |
| 2SK1276         | 富士電機 | モータ制御, イソパ-タ  | MOS | N E              | 250         | DSS       | ±20         | S       | 20        | D       | 100           | ±100n                            | ±20                    |                                  | 500μ                             | 250                    | 2.1                                  | 4                                    | VGS                    | 10m                   | 6                              | 12                             | 25                     |                       | 10  |
| 2SK1277         | 富士電機 | モータ制御, イソパ-タ  | MOS | N E              | 250         | DSS       | ±20         | S       | 30        | D       | 150           | ±100n                            | ±20                    |                                  | 500μ                             | 250                    | 2.1                                  | 4                                    | VGS                    | 10m                   | 10                             | 20                             | 25                     |                       | 15  |
| 2SK1278         | 富士電機 | モータ制御, イソパ-タ  | MOS | N E              | 500         | DSS       | ±20         | S       | 10        | D       | 100           | ±100n                            | ±20                    |                                  | 500μ                             | 500                    | 2.1                                  | 4                                    | VGS                    | 10m                   | 4                              | 8                              | 25                     |                       | 5   |
| 2SK1279         | 富士電機 | モータ制御, イソパ-タ  | MOS | N E              | 500         | DSS       | ±20         | S       | 15        | D       | 125           | ±100n                            | ±20                    |                                  | 500μ                             | 500                    | 2.1                                  | 4                                    | VGS                    | 10m                   | 7                              | 13                             | 25                     |                       | 8   |
| 2SK1280         | 富士電機 | モータ制御, イソパ-タ  | MOS | N E              | 500         | DSS       | ±20         | S       | 18        | D       | 150           | ±100n                            | ±20                    |                                  | 500μ                             | 500                    | 2.1                                  | 4                                    | VGS                    | 10m                   | 8                              | 15                             | 25                     |                       | 9   |
| 2SK1281         | NEC  | SW            | MOS | N E              | 700         | DSS       | 30/-20      | S       | ±4        | D       | 120           | 100n                             | 30                     |                                  | 100μ                             | 700                    | 1.5                                  | 3.5                                  | 10                     | 1m                    | 1                              |                                | 10                     |                       | 2   |
| 2SK1282, 1282-Z | NEC  | SW, Motor-D   | MOS | N E              | 60          | DSS       | ±20         | S       | ±3        | D       | 20            | ±10μ                             | ±20                    |                                  | 10μ                              | 60                     | 1                                    | 2.5                                  | 10                     | 1m                    | 2.4                            |                                | 10                     |                       | 2   |
| 2SK1283         | NEC  | SW, Motor-D   | MOS | N E              | 60          | DSS       | ±20         | S       | ±3        | D       | 20            | ±10μ                             | ±20                    |                                  | 10μ                              | 60                     | 1                                    | 2.5                                  | 10                     | 1m                    | 2.4                            |                                | 10                     |                       | 2   |
| 2SK1284, 1284-Z | NEC  | SW, Motor-D   | MOS | N E              | 100         | DSS       | ±20         | S       | ±3        | D       | 20            | ±10μ                             | ±20                    |                                  | 10μ                              | 100                    | 1                                    | 2.5                                  | 10                     | 1m                    | 2.4                            |                                | 10                     |                       | 2   |
| 2SK1285         | NEC  | SW, Motor-D   | MOS | N E              | 100         | DSS       | ±20         | S       | ±3        | D       | 20            | ±10μ                             | ±20                    |                                  | 10μ                              | 100                    | 1                                    | 2.5                                  | 10                     | 1m                    | 2.4                            |                                | 10                     |                       | 2   |
| 2SK1286         | NEC  | SW, Motor-D   | MOS | N E              | 60          | DSS       | ±20         | S       | ±15       | D       | 30            | ±10μ                             | ±20                    |                                  | 10μ                              | 60                     | 1                                    | 2.5                                  | 10                     | 1m                    | 7                              | 14                             | 10                     |                       | 8   |
| 2SK1287         | NEC  | SW, Motor-D   | MOS | N E              | 60          | DSS       | ±20         | S       | ±20       | D       | 60            | ±10μ                             | ±20                    |                                  | 10μ                              | 60                     | 1                                    | 2.5                                  | 10                     | 1m                    | 7                              | 14                             | 10                     |                       | 10  |
| 2SK1288         | NEC  | SW, Motor-D   | MOS | N E              | 100         | DSS       | ±20         | S       | ±15       | D       | 30            | ±10μ                             | ±20                    |                                  | 10μ                              | 100                    | 1                                    | 2.5                                  | 10                     | 1m                    | 7                              | 14                             | 10                     |                       | 8   |
| 2SK1289         | NEC  | SW, Motor-D   | MOS | N E              | 100         | DSS       | ±20         | S       | ±20       | D       | 60            | ±10μ                             | ±20                    |                                  | 10μ                              | 100                    | 1                                    | 2.5                                  | 10                     | 1m                    | 7                              | 14                             | 10                     |                       | 10  |
| 2SK1290         | NEC  | SW, Motor-D   | MOS | N E              | 60          | DSS       | ±20         | S       | ±25       | D       | 35            | ±10μ                             | ±20                    |                                  | 10μ                              | 60                     | 1                                    | 2.5                                  | 10                     | 1m                    | 12                             | 25                             | 10                     |                       | 13  |
| 2SK1291         | NEC  | SW, Motor-D   | MOS | N E              | 60          | DSS       | ±20         | S       | ±30       | D       | 75            | ±10μ                             | ±20                    |                                  | 10μ                              | 60                     | 1                                    | 2.5                                  | 10                     | 1m                    | 12                             | 24                             | 10                     |                       | 15  |
| 2SK1292         | NEC  | SW, Motor-D   | MOS | N E              | 100         | DSS       | ±20         | S       | ±20       | D       | 35            | ±10μ                             | ±20                    |                                  | 10μ                              | 100                    | 1                                    | 2.5                                  | 10                     | 1m                    | 12                             |                                | 10                     |                       | 10  |
| 2SK1293         | NEC  | SW, Motor-D   | MOS | N E              | 100         | DSS       | ±20         | S       | ±30       | D       | 75            | ±10μ                             | ±20                    |                                  | 10μ                              | 100                    | 1                                    | 2.5                                  | 10                     | 1m                    | 12                             |                                | 10                     |                       | 15  |
| 2SK1294         | NEC  | SW, Motor-D   | MOS | N E              | 100         | DSS       | ±20         | S       | ±30       | D       | 35            | ±10μ                             | ±20                    |                                  | 10μ                              | 100                    | 1                                    | 2.5                                  | 10                     | 1m                    | 12                             |                                | 15                     |                       | 20  |
| 2SK1295         | NEC  | SW, Motor-D   | MOS | N E              | 100         | DSS       | ±20         | S       | ±30       | D       | 35            | ±10μ                             | ±20                    |                                  | 10μ                              | 100                    | 1                                    | 2.5                                  | 10                     | 1m                    | 12                             |                                | 10                     |                       | 15  |
| 2SK1296         | 日立   | Motor/Relay-D | MOS | N E              | 60          | DSS       | ±20         | S       | 30        | D       | 75            | ±10μ                             | ±16                    |                                  | 250μ                             | 50                     | 1                                    | 2                                    | 10                     | 1m                    | 17                             | 27                             | 10                     |                       | 15  |
| 2SK1297         | 日立   | Motor/Relay-D | MOS | N E              | 60          | DSS       | ±20         | S       | 40        | D       | 100           | ±10μ                             | ±16                    |                                  | 250μ                             | 50                     | 1                                    | 2                                    | 10                     | 1m                    | 22                             | 35                             | 10                     |                       | 20  |
| 2SK1298         | 日立   | Motor/Relay-D | MOS | N E              | 60          | DSS       | ±20         | S       | 40        | D       | 50            | ±10μ                             | ±16                    |                                  | 250μ                             | 50                     | 1                                    | 2                                    | 10                     | 1m                    | 22                             | 35                             | 10                     |                       | 20  |
| 2SK1299(L) (S)  | 日立   | Motor/Relay-D | MOS | N E              | 100         | DSS       | ±20         | S       | 3         | D       | 20            | ±10μ                             | ±16                    |                                  | 100μ                             | 80                     | 1                                    | 2                                    | 10                     | 1m                    | 2.4                            | 4                              | 10                     |                       | 2   |
| 2SK1300         | 日立   | Motor/Relay-D | MOS | N E              | 100         | DSS       | ±20         | S       | 10        | D       | 40            | ±10μ                             | ±16                    |                                  | 250μ                             | 80                     | 1                                    | 2                                    | 10                     | 1m                    | 4.5                            | 7                              | 10                     |                       | 5   |

| 電 気 的 特 性 (Ta=25℃)   |                      |                        |                        |                 |                 |           |                       |                                     |                        |                       |                           | コンプリ<br>メンタリ     | 外 形        | 備 考      | 型 名 |                 |
|----------------------|----------------------|------------------------|------------------------|-----------------|-----------------|-----------|-----------------------|-------------------------------------|------------------------|-----------------------|---------------------------|------------------|------------|----------|-----|-----------------|
| Cis<br>(typ)<br>(pF) | Crs<br>(typ)<br>(pF) | V <sub>GS</sub><br>(V) | V <sub>DS</sub><br>(V) | NF<br>typ<br>dB | NF<br>max<br>dB | f<br>(Hz) | R <sub>G</sub><br>(Ω) | R <sub>DS(ON)</sub><br>(max)<br>(Ω) | V <sub>GS</sub><br>(V) | I <sub>D</sub><br>(A) | そ の 他 特 性                 |                  |            |          |     | 測 定 条 件         |
| 1800                 | 360                  | 0                      | 10                     |                 |                 |           |                       | 4                                   | 10                     | 3                     | ton=55ns, toff=260nstyp   | ID=5A, VDD=450V  |            | 308      | GDS | 2SK1271         |
| 220                  |                      | 0                      | 10                     |                 |                 |           |                       | 0.65                                | 10                     | 0.5                   | ton=50ns, toff=500nstyp   | ID=0.5A, VDD=25V |            | 53C      | GDS | 2SK1272         |
| 220                  |                      | 0                      | 10                     |                 |                 |           |                       | 0.65                                | 10                     | 0.5                   | ton=50ns, toff=500nstyp   | ID=0.5A, VDD=25V |            | 216A     | SDG | 2SK1273         |
| 220                  |                      | 0                      | 10                     |                 |                 |           |                       | 0.65                                | 10                     | 0.5                   | ton=50ns, toff=500nstyp   | ID=0.5A, VDD=25V |            | 217      | GDS | 2SK1274         |
| 490                  | 190                  | 0                      | 10                     |                 |                 |           |                       | 7                                   | 10                     | 1                     | ton=70ns, toff=125nstyp   | ID=1A, VDD=30V   |            | 292      | GDS | 2SK1275         |
| 1100                 | 130                  | 0                      | 25                     |                 |                 |           |                       | 0.2                                 | 10                     | 10                    | ton=80ns, toff=300nstyp   | ID=20A, VDD=150V |            | 186      | GDS | 2SK1276         |
| 2400                 | 280                  | 0                      | 25                     |                 |                 |           |                       | 0.12                                | 10                     | 15                    | ton=175ns, toff=600nstyp  | ID=30A, VDD=150V |            | 186      | GDS | 2SK1277         |
| 1100                 | 75                   | 0                      | 25                     |                 |                 |           |                       | 1.1                                 | 10                     | 5                     | ton=85ns, toff=290nstyp   | ID=10A, VDD=300V |            | 186      | GDS | 2SK1278         |
| 2000                 | 140                  | 0                      | 25                     |                 |                 |           |                       | 0.58                                | 10                     | 8                     | ton=130ns, toff=560nstyp  | ID=15A, VDD=300V |            | 186      | GDS | 2SK1279         |
| 2400                 | 150                  | 0                      | 25                     |                 |                 |           |                       | 0.5                                 | 10                     | 9                     | ton=185ns, toff=630nstyp  | ID=18A, VDD=300V |            | 186      | GDS | 2SK1280         |
| 950                  | 200                  | 0                      | 10                     |                 |                 |           |                       | 3.2                                 | 10                     | 2                     | ton=30ns, toff=80nstyp    | ID=2A, VDD=150V  |            | 253      | GDS | 2SK1281         |
| 500                  | 40                   | 0                      | 10                     |                 |                 |           |                       | 0.18                                | 10                     | 2                     | ton=140ns, toff=750nstyp  | ID=2A, VDD=30V   | 276/Z: 277 | Z: 平面実装用 |     | 2SK1282, 1282-Z |
| 500                  | 40                   | 0                      | 10                     |                 |                 |           |                       | 0.18                                | 10                     | 2                     | ton=140ns, toff=750nstyp  | ID=2A, VDD=30V   |            | 135      | SDG | 2SK1283         |
| 500                  | 20                   | 0                      | 10                     |                 |                 |           |                       | 0.32                                | 10                     | 2                     | ton=95ns, toff=620nstyp   | ID=2A, VDD=50V   | 276/Z: 277 | Z: 平面実装用 |     | 2SK1284, 1284-Z |
| 500                  | 20                   | 0                      | 10                     |                 |                 |           |                       | 0.32                                | 10                     | 2                     | ton=95ns, toff=620nstyp   | ID=2A, VDD=50V   |            | 135      | SDG | 2SK1285         |
| 1400                 | 130                  | 0                      | 10                     |                 |                 |           |                       | 70m                                 | 10                     | 8                     | ton=185ns, toff=210nstyp  | ID=10A, VDD=30V  |            | 304      | GDS | 2SK1286         |
| 1400                 | 130                  | 0                      | 10                     |                 |                 |           |                       | 70m                                 | 10                     | 10                    | ton=185ns, toff=210nstyp  | ID=10A, VDD=30V  |            | 164      | GDS | 2SK1287         |
| 1400                 | 50                   | 0                      | 10                     |                 |                 |           |                       | 0.15                                | 10                     | 8                     | ton=135ns, toff=165nstyp  | ID=10A, VDD=50V  |            | 304      | GDS | 2SK1288         |
| 1400                 | 50                   | 0                      | 10                     |                 |                 |           |                       | 0.15                                | 10                     | 10                    | ton=135ns, toff=165nstyp  | ID=10A, VDD=50V  |            | 164      | GDS | 2SK1289         |
| 2200                 | 180                  | 0                      | 10                     |                 |                 |           |                       | 45m                                 | 10                     | 13                    | ton=270ns, toff=340nstyp  | ID=15A, VDD=30V  |            | 304      | GDS | 2SK1290         |
| 2200                 | 180                  | 0                      | 10                     |                 |                 |           |                       | 45m                                 | 10                     | 15                    | ton=270ns, toff=340nstyp  | ID=15A, VDD=30V  |            | 164      | GDS | 2SK1291         |
| 2200                 | 90                   | 0                      | 10                     |                 |                 |           |                       | 80m                                 | 10                     | 10                    | ton=185ns, toff=350nstyp  | ID=15A, VDD=50V  |            | 304      | GDS | 2SK1292         |
| 2200                 | 90                   | 0                      | 10                     |                 |                 |           |                       | 80m                                 | 10                     | 15                    | ton=185ns, toff=350nstyp  | ID=15A, VDD=50V  |            | 164      | GDS | 2SK1293         |
| 3300                 | 200                  | 0                      | 10                     |                 |                 |           |                       | 50m                                 | 10                     | 15                    | ton=220ns, toff=330nstyp  | ID=15A, VDD=50V  |            | 304      | GDS | 2SK1294         |
| 3300                 | 200                  | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | ton=220ns, toff=330nstyp  | ID=15A, VDD=50V  |            | 304      |     | 2SK1295         |
| 2250                 | 300                  | 0                      | 10                     |                 |                 |           |                       | 0.028                               | 10                     | 15                    | ton=145ns, toff=615nstyp  | ID=15A, VDD=30V  |            | 116B     | GDS | 2SK1296         |
| 3600                 | 450                  | 0                      | 10                     |                 |                 |           |                       | 0.018                               | 10                     | 20                    | ton=200ns, toff=1050nstyp | ID=20A, VDD=30V  |            | 149      | GDS | 2SK1297         |
| 3600                 | 450                  | 0                      | 10                     |                 |                 |           |                       | 0.018                               | 10                     | 20                    | ton=200ns, toff=1050nstyp | ID=20A, VDD=30V  |            | 293      | GDS | 2SK1298         |
| 400                  | 45                   | 0                      | 10                     |                 |                 |           |                       | 0.35                                | 10                     | 2                     | ton=40ns, toff=220nstyp   | ID=2A, VDD=30V   |            | 150      | GDS | 2SK1299(L) (S)  |
| 525                  | 60                   | 0                      | 10                     |                 |                 |           |                       | 0.25                                | 10                     | 5                     | ton=57ns, toff=225nstyp   | ID=5A, VDD=30V   |            | 116B     | GDS | 2SK1300         |