

| 型名      | 社名   | 用途               | 構造       | チャンネル | 最大定格        |       |             |     |           |     | 電気的特性 (Ta=25°C) |                                  |                        |                                  |                                  |                        |                                      |              |                        |                       |                                |                                |                        |                       |
|---------|------|------------------|----------|-------|-------------|-------|-------------|-----|-----------|-----|-----------------|----------------------------------|------------------------|----------------------------------|----------------------------------|------------------------|--------------------------------------|--------------|------------------------|-----------------------|--------------------------------|--------------------------------|------------------------|-----------------------|
|         |      |                  |          |       | V***<br>(V) | 区分*** | Vgs*<br>(V) | 区分* | I*<br>(A) | 区分* | 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>ds</sub><br>(V) | V <sub>gs(off)</sub><br>(min)<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) |
|         |      |                  |          |       |             |       |             |     |           |     |                 |                                  |                        |                                  |                                  |                        | (max)<br>(V)                         | (max)<br>(V) |                        |                       |                                |                                |                        |                       |
| 2SK1203 | 日立   | SW-Reg, DDC      | MOS      | N E   | 900         | DSS   | ±20         | S   | 6         | D   | 100             | ±10μ                             | ±16                    | 250μ                             | 720                              | 2                      | 4                                    | 10           | 1m                     | 1.5                   | 2.5                            | 20                             | 3                      |                       |
| 2SK1204 | 日立   | SW-Reg, DDC      | MOS      | N E   | 900         | DSS   | ±20         | S   | 8         | D   | 100             | ±10μ                             | ±16                    | 250μ                             | 720                              | 2                      | 4                                    | 10           | 1m                     | 2                     | 3.5                            | 20                             | 4                      |                       |
| 2SK1205 | 日立   | SW-Reg, DDC      | MOS      | N E   | 1000        | DSS   | ±20         | S   | 5         | D   | 100             | ±10μ                             | ±16                    | 250μ                             | 800                              | 2                      | 4                                    | 10           | 1m                     | 2                     | 3.5                            | 20                             | 3                      |                       |
| 2SK1206 | 日立   | SW-Reg, DDC      | MOS      | N E   | 500         | DSS   | ±20         | S   | 12        | D   | 60              | ±10μ                             | ±16                    | 250μ                             | 400                              | 2                      | 4                                    | 10           | 1m                     | 6                     | 10                             | 10                             | 6                      |                       |
| 2SK1211 | 富士電機 | SW-Reg, UPS, DDC | MOS      | N E   | 800         | DSS   | ±30         | S   | 2.5       | D   | 40              | ±100n                            | ±30                    | 500μ                             | 800                              | 2.5                    | 5                                    | VGS          | 1m                     | 1.2                   | 1.8                            | 25                             | 1                      |                       |
| 2SK1212 | 富士電機 | SW-Reg, UPS, DDC | MOS      | N E   | 900         | DSS   | ±20         | S   | 5         | D   | 80              | ±100n                            | ±20                    | 500μ                             | 900                              | 2.1                    | 4                                    | VGS          | 1m                     | 3                     | 6                              | 25                             | 2.5                    |                       |
| 2SK1213 | 東芝   | SW-Reg           | MOS      | N E   | 600         | DSS   | ±20         | S   | 6         | D   | 125             | ±100n                            | ±20                    | 300μ                             | 600                              | 1.5                    | 3.5                                  | 10           | 1m                     | 3                     | 4                              | 10                             | 3                      |                       |
| 2SK1214 | 松下   | DDC, Motor D     | MOS      | N E   | 80          | DSS   | ±20         | S   | 2         | D   | 45              | ±1μ                              | ±20                    | 10μ                              | 65                               | 1                      | 2.5                                  | 10           | 1m                     | 6                     | 10                             | 10                             | 6                      |                       |
| 2SK1215 | 日立   | VHF RF           | MOS      | N D   | 20          | DSX   | ±5          | S   | 30m       | D   | 100m            | ±20n                             | ±5                     | 4m                               | 12m                              | 10                     | 0                                    | -2           | 10                     | 10μ                   | 8m                             | 14m                            | 10                     | IDSS                  |
| 2SK1216 | 松下   | ビデオ初期用           | J        | N D   | -10         | GDO   | -10         | O   | 5m        | G   | 200m            | -2n                              | -7                     | 9.2m                             | 14m                              | 5                      |                                      | -3           | 5                      | 100μ                  | 20m                            | 22m                            | 5                      | IDSS                  |
| 2SK1217 | 富士電機 | SW-Reg, UPS, DDC | MOS      | N E   | 900         | DSS   | ±30         | S   | 8         | D   | 100             | ±100n                            | ±30                    | 500μ                             | 900                              | 2.5                    | 5                                    | VGS          | 1m                     | 3                     | 6                              | 25                             | 4                      |                       |
| 2SK1221 | 富士電機 | SW-Reg, UPS, DDC | MOS      | N E   | 250         | DSS   | ±30         | S   | 10        | D   | 80              | ±100n                            | ±30                    | 500μ                             | 250                              | 2.5                    | 5                                    | VGS          | 1m                     |                       | 4.5                            | 25                             | 5                      |                       |
| 2SK1222 | 富士電機 | SW-Reg, UPS, DDC | MOS      | N E   | 450         | DSS   | ±30         | S   | 15        | D   | 125             | ±100n                            | ±30                    | 500μ                             | 450                              | 2.5                    | 5                                    | VGS          | 1m                     | 4                     | 8                              | 25                             | 6                      |                       |
| 2SK1223 | 松下   | DDC, Motor D     | MOS      | N E   | 60          | DSS   | ±20         | S   | 50        | D   | 130             | ±1μ                              | ±20                    | 10μ                              | 40                               | 1                      | 2.5                                  | 10           | 1m                     | 12                    | 25                             | 10                             | 25                     |                       |
| 2SK1224 | 富士電機 | SW-Reg, UPS, DDC | MOS      | N E   | 800         | DSS   | ±30         | S   | 4         | D   | 50              | ±100n                            | ±30                    | 500μ                             | 800                              | 2.5                    | 5                                    | VGS          | 1m                     | 2                     | 4                              | 25                             | 2                      |                       |
| 2SK1225 | 日立   | SW-Reg, DDC      | MOS      | N E   | 450         | DSS   | ±20         | S   | 12        | D   | 60              | ±10μ                             | ±16                    | 250μ                             | 360                              | 2                      | 4                                    | 10           | 1m                     | 6                     | 10                             | 10                             | 6                      |                       |
| 2SK1227 | 東芝   | C-MIC, Imp-C     | J        | N D   | -15         | GDO   |             |     | 10m       | D   | 100m            |                                  |                        |                                  |                                  |                        |                                      |              |                        |                       | 1.3m                           | 6                              | IDSS                   |                       |
| 2SK1228 | 松下   | SW               | MOS      | N E   | 50          | DS    | 10          | O   | 50m       | D   | 150m            | 1μ                               | 10                     | 1μ                               | 20                               | 0.5                    | 1.1                                  | 5            | 100μ                   | 20m                   | 39m                            | 5                              | 10m                    |                       |
| 2SK1229 | 日立   | SHF LN A         | GaAsHEMT | N D   | 4           | DS    | ±3          | O   | 60m       | D   | 160m            | -10μ                             | -3                     | 12m                              | 60m                              | 2                      | -0.3                                 | -2.5         | 2                      | 100μ                  | 30m                            | 45m                            | 2                      | 10m                   |
| 2SK1230 | 日立   | SW-Reg, DDC      | MOS      | N E   | 120         | DSS   | ±20         | S   | 10        | D   | 25              | ±10μ                             | ±16                    | 250μ                             | 100                              | 2                      | 4                                    | 10           | 1m                     | 3                     | 5                              | 10                             | 5                      |                       |
| 2SK1231 | 日立   | SW-Reg, DDC      | MOS      | N E   | 450         | DSS   | ±20         | S   | 5         | D   | 30              | ±10μ                             | ±16                    | 250μ                             | 360                              | 2                      | 4                                    | 10           | 1m                     | 2.5                   | 4                              | 10                             | 2.5                    |                       |
| 2SK1232 | 日立   | SW-Reg, DDC      | MOS      | N E   | 500         | DSS   | ±20         | S   | 5         | D   | 30              | ±10μ                             | ±16                    | 250μ                             | 400                              | 2                      | 4                                    | 10           | 1m                     | 2.5                   | 4                              | 10                             | 2.5                    |                       |
| 2SK1233 | 三洋   | 4GHz OSC/A       | GaAs/MES | N D   | 6           | DS    | -5          |     | 100m      | D   | 300m            | -10μ                             | -3                     | 20m                              | 90m                              | 3                      | -0.5                                 | -5           | 3                      | 100μ                  | 20m                            | 40m                            | 3                      | 10m                   |
| 2SK1234 | 三洋   | 4GHz OSC/A       | GaAs/MES | N D   | 5           | DS    | -5          |     | 100m      | D   | 270m            | -10μ                             | -3                     | 20m                              | 80m                              | 3                      | -0.5                                 | -3           | 3                      | 100μ                  | 20m                            | 40m                            | 3                      | 10m                   |
| 2SK1235 | 三洋   | 12GHz OSC/A      | GaAs/MES | N D   | 6           | DS    | -5          |     | 100m      | D   | 300m            | -10μ                             | -3                     | 20m                              | 90m                              | 3                      | -0.5                                 | -5           | 3                      | 100μ                  | 20m                            | 40m                            | 3                      | 10m                   |
| 2SK1236 | 三洋   | 12GHz OSC/A      | GaAs/MES | N D   | 6           | DS    | -5          |     | 100m      | D   | 300m            | -10μ                             | -3                     | 20m                              | 90m                              | 3                      | -0.5                                 | -5           | 3                      | 100μ                  | 20m                            | 40m                            | 3                      | 10m                   |
| 2SK1237 | 三洋   | 12GHz OSC/A      | GaAs/MES | N D   | 5           | DS    | -5          |     | 70m       | D   | 270m            | -10μ                             | -3                     | 20m                              | 80m                              | 3                      | -0.5                                 | -3           | 3                      | 100μ                  | 30m                            | 40m                            | 3                      | 10m                   |
| 2SK1238 | 三洋   | 12GHz OSC/A      | GaAs/MES | N D   | 5           | DS    | -5          |     | 70m       | D   | 270m            | -10μ                             | -3                     | 20m                              | 60m                              | 3                      | -0.5                                 | -2.5         | 3                      | 100μ                  | 35m                            | 40m                            | 3                      | 10m                   |
| 2SK1239 | 三洋   | 12GHz OSC/A      | GaAs/MES | N D   | 5           | DS    | -5          |     | 70m       | D   | 270m            | -10μ                             | -3                     | 20m                              | 60m                              | 3                      | -0.5                                 | -2.5         | 3                      | 100μ                  | 35m                            | 40m                            | 3                      | 10m                   |
| 2SK1240 | 三洋   | X-Band LN A      | GaAsHEMT | N D   | 4           | DS    | -3          |     | 60m       | D   | 180m            | -10μ                             | -3                     | 10m                              | 60m                              | 2                      | -0.5                                 | -2.5         | 2                      | 100μ                  | 30m                            | 40m                            | 2                      | 10m                   |

| 電 気 的 特 性 (Ta=25℃)   |                      |                        |                        |                 |           |           |                       |                                     |                        |                       |                          |                   | コンブリ<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 | 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           |              |       |         |         |         |
| 1150                 | 440                  | 0                      | 10                     |                 |           |           |                       | 3                                   | 10                     | 3                     | ton=165ns, toff=250nstyp | ID=3A, VDD=30V    | 149          | GDS   | 2SK1203 |         |         |
| 1800                 | 770                  | 0                      | 10                     |                 |           |           |                       | 1.6                                 | 10                     | 4                     | ton=270ns, toff=410nstyp | ID=4A, VDD=30V    | 149          | GDS   | 2SK1204 |         |         |
| 1800                 | 760                  | 0                      | 10                     |                 |           |           |                       | 2                                   | 10                     | 3                     | ton=260ns, toff=430nstyp | ID=3A, VDD=30V    | 149          | GDS   | 2SK1205 |         |         |
| 2050                 | 80                   | 0                      | 10                     |                 |           |           |                       | 0.55                                | 10                     | 6                     | ton=110ns, toff=230nstyp | ID=6A, VDD=30V    | 293          | GDS   | 2SK1206 |         |         |
| 350                  | 25                   | 0                      | 25                     |                 |           |           |                       | 7                                   | 10                     | 1                     | ton=60ns, toff=110nstyp  | ID=2.5A, VDD=600V | 327          | GDS   | 2SK1211 |         |         |
| 1500                 | 50                   | 0                      | 25                     |                 |           |           |                       | 2.5                                 | 10                     | 2.5                   | ton=110ns, toff=420nstyp | ID=2.4A, VDD=30V  | 327          | GDS   | 2SK1212 |         |         |
| 1400                 | 75                   | 0                      | 10                     |                 |           |           |                       | 1.25                                | 10                     | 3                     | ton=65ns, toff=105nstyp  | ID=3A, VDD=300V   | 184          | GDS   | 2SK1213 |         |         |
| 1450                 | 190                  | 0                      | 10                     |                 |           |           |                       | 0.09                                | 10                     | 6                     | ton=60ns, tf=110nstyp    | ID=6A, VDD=30V    | 190          | GDS   | 2SK1214 |         |         |
| 2.5                  | 0.03                 | 0                      | 10                     |                 | 3         | 100M      |                       |                                     |                        |                       | PG=24dBmin               | f=100MHz          |              | CMPAK | GDS     | 2SK1215 |         |
| 3.9                  |                      |                        | 5                      |                 |           |           |                       |                                     |                        |                       |                          |                   |              |       | 268     | SDG     | 2SK1216 |
| 1400                 | 110                  | 0                      | 25                     |                 |           |           |                       | 2                                   | 10                     | 4                     | ton=280ns, toff=460nstyp | ID=8A, VDD=600V   | 327          | GDS   | 2SK1217 |         |         |
| 570                  | 70                   | 0                      | 25                     |                 |           |           |                       | 0.4                                 | 10                     | 5                     | ton=60ns, toff=150nstyp  | ID=10A, VDD=150V  | 234          | GDS   | 2SK1221 |         |         |
| 1400                 | 60                   | 0                      | 25                     |                 |           |           |                       | 0.55                                | 10                     | 6                     | ton=140ns, toff=240nstyp | ID=15A, VDD=300V  | 186          | GDS   | 2SK1222 |         |         |
| 3200                 | 550                  | 0                      | 10                     |                 |           |           |                       | 0.03                                | 10                     | 25                    | ton=200ns, tf=350nstyp   | ID=25A, VDD=30V   | 258          | GDS   | 2SK1223 |         |         |
| 800                  | 30                   | 0                      | 25                     |                 |           |           |                       | 4.5                                 | 10                     | 2                     | ton=95ns, toff=190nstyp  | ID=4A, VDD=600V   | 327          | GDS   | 2SK1224 |         |         |
| 2050                 | 80                   | 0                      | 10                     |                 |           |           |                       | 0.6                                 | 10                     | 6                     | ton=110ns, toff=230nstyp | ID=6A, VDD=30V    | 293          | GDS   | 2SK1225 |         |         |
| 9                    |                      | 0                      | 10                     |                 |           |           |                       |                                     |                        |                       | Zin=200MΩmin, THD=4%max  | f=50Hz, f=1kHz    |              |       | 70B     | DGS     | 2SK1227 |
| 4.5                  | 1.2                  | 0                      | 5                      |                 |           |           |                       | 50                                  | 2.5                    | 10m                   | ton=toff=0.2μstyp        | VDD=5V, RD=200Ω   | 193B         | GSD   |         |         | 2SK1228 |
|                      |                      |                        |                        | 1.0             | 1.3       | 12G       |                       |                                     |                        |                       | Ga=9dBmin/11dBtyp        | f=12GHz           |              |       | GSDS    |         | 2SK1229 |
| 1060                 | 40                   | 0                      | 10                     |                 |           |           |                       | 0.2                                 | 10                     | 5                     | ton=55ns, toff=115nstyp  | ID=5A, VDD=30V    | 292          | GDS   |         |         | 2SK1230 |
| 820                  | 45                   | 0                      | 10                     |                 |           |           |                       | 1.4                                 | 10                     | 2.5                   | ton=45ns, toff=115nstyp  | ID=2.5A, VDD=30V  | 292          | GDS   |         |         | 2SK1231 |
| 820                  | 45                   | 0                      | 10                     |                 |           |           |                       | 1.5                                 | 10                     | 2.5                   | ton=45ns, toff=115nstyp  | ID=2.5A, VDD=30V  | 292          | GDS   |         |         | 2SK1232 |
|                      |                      |                        |                        | 1.2             | 1.5       | 4G        |                       |                                     |                        |                       | fmax(OSC)=40GHztyp       | VDS=3V, ID=30mA   | 332          | GSD   |         |         | 2SK1233 |
|                      |                      |                        |                        | 0.8             | 1.1       | 4G        |                       |                                     |                        |                       | fmax(OSC)=60GHztyp       | VDS=3V, ID=30mA   | 332          | GSD   |         |         | 2SK1234 |
|                      |                      |                        |                        | 2.2             | 3         | 12G       |                       |                                     |                        |                       | fmax(OSC)=40GHztyp       | VDS=3V, ID=30mA   | 332          | GSD   |         |         | 2SK1235 |
|                      |                      |                        |                        | 2               | 2.8       | 12G       |                       |                                     |                        |                       | fmax(OSC)=50GHztyp       | VDS=3V, ID=30mA   | 333          | GSD   |         |         | 2SK1236 |
|                      |                      |                        |                        | 1.8             |           | 12G       |                       |                                     |                        |                       | fmax(OSC)=70GHztyp       | VDS=3V, ID=30mA   | 333          | GSD   |         |         | 2SK1237 |
|                      |                      |                        |                        | 1.5             |           | 12G       |                       |                                     |                        |                       | fmax(OSC)=100GHztyp      | VDS=3V, ID=30mA   | 333          | GSD   |         |         | 2SK1238 |
|                      |                      |                        |                        | 1.5             |           | 12G       |                       |                                     |                        |                       | fmax(OSC)=100GHztyp      | VDS=3V, ID=30mA   | 334          | GSD   |         |         | 2SK1239 |
|                      |                      |                        |                        |                 | 1.4       | 12G       |                       |                                     |                        |                       | Ga=9dBmin                | f=12GHz           | 333          | GSD   |         |         | 2SK1240 |