

| 型 名           | 社 名 | 用 途            | 構 造  | モ<br>ド | 最 大 定 格     |               |             |             |           |             | 電 気 的 特 性 (Ta=25℃) |                                  |                        |                                  |                                  |                        |                                      |                                      |                        |                       |                                 |                                 |                        |                       |
|---------------|-----|----------------|------|--------|-------------|---------------|-------------|-------------|-----------|-------------|--------------------|----------------------------------|------------------------|----------------------------------|----------------------------------|------------------------|--------------------------------------|--------------------------------------|------------------------|-----------------------|---------------------------------|---------------------------------|------------------------|-----------------------|
|               |     |                |      |        | V***<br>(V) | 区<br>分<br>*** | Vgs*<br>(V) | 区<br>分<br>* | I*<br>(A) | 区<br>分<br>* | Pd/Pch<br>(W)      | I <sub>GSS</sub><br>(max)<br>(A) | V <sub>GS</sub><br>(V) | I <sub>PSS</sub><br>(min)<br>(A) | I <sub>PSS</sub><br>(max)<br>(A) | V <sub>DS</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) | I <sub>gm</sub><br>(min)<br>(S) | I <sub>gm</sub><br>(typ)<br>(S) | V <sub>DS</sub><br>(V) | I <sub>D</sub><br>(A) |
| 2SK406        | NEC | C~Ku-Band LN A | GaAs | N D    | 5 DSX       | -6 O          | 120m        | D           | 270m      |             |                    |                                  |                        | 20m                              | 120m                             | 3                      | -0.5                                 | -3.5                                 | 3                      | 100μ                  | 20m                             | 50m                             | 3                      | 10m                   |
| 2SK407        | NEC | C~Ku-Band LN A | GaAs | N D    | 5 DSX       | -6 O          | 120m        | D           | 270m      |             |                    |                                  |                        | 20m                              | 120m                             | 3                      | -0.5                                 | -3.5                                 | 3                      | 100μ                  | 20m                             | 50m                             | 3                      | 10m                   |
| 2SK408        | 日立  | HF/VHF PA      | MOS  | N E    | 180 DSS     | ±20 S         |             |             | 2 D       | 30          |                    |                                  |                        |                                  | 1m                               | 140                    | 0.5                                  | 3                                    | 10                     | 1m                    | 0.2                             | 0.3                             | 20                     |                       |
| 2SK409        | 日立  | HF/VHF PA      | MOS  | N E    | 180 DSS     | ±20 S         |             |             | 2 D       | 30          |                    |                                  |                        |                                  | 1m                               | 140                    | 0.5                                  | 3                                    | 10                     | 1m                    | 0.2                             | 0.3                             | 20                     | 1                     |
| 2SK410        | 日立  | HF/VHF PA      | MOS  | N E    | 180 DSS     | ±20 S         |             |             | 8 D       | 120         |                    |                                  |                        |                                  | 1m                               | 140                    | 0.5                                  | 3                                    | 10                     | 1m                    | 0.9                             | 1.25                            | 20                     | 3                     |
| 2SK411        | 日立  | RF PA, HS PSW  | MOS  | N E    | 600 DSS     | ±20 S         |             |             | 5 D       | 100         | ±1μ                | ±20                              |                        |                                  | 1m                               | 500                    | 2                                    | 5                                    | 10                     | 1m                    | 1.5                             | 2.3                             | 10                     | 3                     |
| 2SK412        | 日立  | HS PSW         | MOS  | N E    | 250 DSS     | ±20 S         |             |             | 10 D      | 100         | ±1μ                | ±20                              |                        |                                  | 1m                               | 200                    | 2                                    | 5                                    | 10                     | 1m                    | 1.6                             | 2.5                             | 10                     | 5                     |
| 2SK413        | 日立  | HS PSW         | MOS  | N E    | 140 DSS     | ±20 S         |             |             | 8 D       | 100         | ±1μ                | ±20                              |                        |                                  | 1m                               | 120                    | 2                                    | 5                                    | 10                     | 1m                    | 1                               | 2                               | 10                     | 4                     |
| 2SK414        | 日立  | HS PSW         | MOS  | N E    | 160 DSS     | ±20 S         |             |             | 8 D       | 100         | ±1μ                | ±20                              |                        |                                  | 1m                               | 140                    | 2                                    | 5                                    | 10                     | 1m                    | 1                               | 2                               | 10                     | 4                     |
| 2SK415        | 日立  | HS PSW         | MOS  | N E    | 800 DSS     | ±20 S         |             |             | 3 D       | 80          | ±1μ                | ±20                              |                        |                                  | 1m                               | 640                    | 2                                    | 5                                    | 10                     | 1m                    | 0.4                             | 0.7                             | 20                     | 2                     |
| 2SK416(L) (S) | 日立  | HS PSW         | MOS  | N E    | 40 DSS      | ±20 S         |             |             | 2 D       | 10          | ±1μ                | ±20                              |                        |                                  | 1m                               | 35                     | 1                                    | 4                                    | 10                     | 1m                    | 0.2                             | 0.4                             | 10                     | 1                     |
| 2SK417        | 東芝  | HS HC SW       | MOS  | N E    | 60 DSX      | ±20 S         |             |             | 10 D      | 60          | ±100n              | ±20                              |                        |                                  | 1m                               | 60                     | 1.5                                  | 3.5                                  | 10                     | 1m                    | 2                               | 4                               | 10                     | 5                     |
| 2SK418        | 東芝  | HS HV SW       | MOS  | N E    | 400 DSX     | ±20 S         |             |             | 2 D       | 50          | ±100n              | ±20                              |                        |                                  | 1m                               | 400                    | 1.5                                  | 3.5                                  | 10                     | 1m                    | 0.6                             | 1.2                             | 10                     | 1                     |
| 2SK419        | 東芝  | HS HV SW       | MOS  | N E    | 450 DSX     | ±20 S         |             |             | 2 D       | 50          | ±100n              | ±20                              |                        |                                  | 1m                               | 450                    | 1.5                                  | 3.5                                  | 10                     | 1m                    | 0.6                             | 1.2                             | 10                     | 1                     |
| 2SK420        | 東芝  | HS HV SW       | MOS  | N E    | 400 DSX     | ±20 S         |             |             | 5 D       | 60          | ±100n              | ±20                              |                        |                                  | 1m                               | 400                    | 1.5                                  | 3.5                                  | 10                     | 1m                    | 1                               | 2.5                             | 10                     | 3                     |
| 2SK421        | 東芝  | HS HV SW       | MOS  | N E    | 450 DSX     | ±20 S         |             |             | 5 D       | 60          | ±100n              | ±20                              |                        |                                  | 1m                               | 450                    | 1.5                                  | 3.5                                  | 10                     | 1m                    | 1                               | 2.5                             | 10                     | 3                     |
| 2SK422        | 東芝  | HS SW          | MOS  | N E    | 60 DSX      | ±20 S         |             |             | 700m      | D           | 900m               | ±100n                            | ±20                    |                                  | 1m                               | 60                     | 1.5                                  | 3.5                                  | 10                     | 1m                    | 80m                             | 220m                            | 10                     | 500m                  |
| 2SK423        | 東芝  | HS SW          | MOS  | N E    | 100 DSX     | ±20 S         |             |             | 500m      | D           | 900m               | ±100n                            | ±20                    |                                  | 1m                               | 100                    | 1.5                                  | 3.5                                  | 10                     | 1m                    | 50m                             | 150m                            | 10                     | 300m                  |
| 2SK424        | NEC | HV HC SW       | MOS  | N E    | 600 DSS     | ±20 O         |             |             | 3 D       | 100         | ±100n              | ±20                              |                        |                                  | 5m                               | 600                    | 0.5                                  | 5                                    | 10                     | 10m                   | 0.5                             | 2                               | 25                     | 3                     |
| 2SK425        | NEC | LF A           | J    | N D    | -50 GDO     | -50 O         |             |             | 10m       | G           | 200m               | -1n                              | -20                    | 1m                               | 18m                              | 10                     | -0.2                                 | -1.2                                 | 10                     | 10μ                   | 7m                              | 9m                              | 10                     | 1m                    |
| 2SK426        | NEC | LF A           | J    | N D    | -50 GDO     | -50 O         |             |             | 10m       | G           | 200m               | -1n                              | -20                    | 1m                               | 18m                              | 10                     | -0.2                                 | -1.2                                 | 10                     | 10μ                   | 7m                              | 9m                              | 10                     | 1m                    |
| 2SK427        | 三洋  | AM Tuner, RF   | J    | N D    | -15 DSS     |               |             |             | 10m       | G           | 200m               | -1n                              | -10                    | 1.2m                             | 12m                              | 5                      |                                      | -1.5                                 | 5                      | 100μ                  | 8m                              | 17m                             | 5                      | 1DSS                  |
| 2SK428        | 日立  | HS PSW         | MOS  | N E    | 60 DSS      | ±20 S         |             |             | 10 D      | 50          | ±1μ                | ±20                              |                        |                                  | 1m                               | 50                     | 2                                    | 5                                    | 10                     | 1m                    | 1.5                             | 2.2                             | 10                     | 5                     |
| 2SK429(L) (S) | 日立  | HS PSW         | MOS  | N E    | 100 DSS     | ±20 S         |             |             | 3 D       | 20          | ±1μ                | ±20                              |                        |                                  | 1m                               | 80                     | 1                                    | 4                                    | 10                     | 1m                    | 0.5                             | 0.9                             | 10                     | 2                     |
| 2SK430(L) (S) | 日立  | HS PSW         | MOS  | N E    | 150 DSS     | ±20 S         |             |             | 3 D       | 20          | ±1μ                | ±20                              |                        |                                  | 1m                               | 120                    | 1                                    | 4                                    | 10                     | 1m                    | 0.5                             | 0.9                             | 10                     | 2                     |
| 2SK431        | 日立  | LF LN A        | J    | N D    | 40 DSX      | -40 S         |             |             | 10m       | G           | 150m               | -10n                             | -30                    | 2.5m                             | 20m                              | 10                     | -0.13                                | -1.5                                 | 10                     | 10μ                   | 18m                             | 21m                             | 10                     | 3m                    |
| 2SK433        | 三菱  | LF A, A-SW     | J    | N D    | -50 GDO     |               |             |             | 10m       | G           | 150m               | -1n                              | -30                    | 1m                               | 12m                              | 10                     | -0.3                                 | -6                                   | 10                     | 10μ                   | 1m                              | 3m                              | 10                     | 1DSS                  |
| 2SK435        | 日立  | LF/HF A        | J    | N D    | 22 DSX      | -22 O         |             |             | 10m       | G           | 300m               | -10n                             | -15                    | 6m                               | 40m                              | 5                      |                                      | -2.5                                 | 5                      | 10μ                   | 20m                             |                                 | 5                      | 10m                   |
| 2SK436        | 三洋  | LF/HF A        | J    | N D    | -15 DSS     |               |             |             | 10m       | G           | 150m               | -1n                              | -10                    | 1.2m                             | 12m                              | 5                      |                                      | -1.5                                 | 5                      | 100μ                  | 8m                              | 17m                             | 5                      | 1DSS                  |
| 2SK437        | 松下  | SHF LN A       | GaAs | N D    | -6 GDO      | -6 O          | 120m        | D           | 270m      |             | -10μ               | -3                               | 20m                    | 120m                             | 3                                |                        | -3.5                                 | 3                                    | 100μ                   | 20m                   | 50m                             | 3                               | 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 | 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 |              |      |               |              |
|                      |                      |                        |                        | 2.1             |                 | 18G       |                       |                                     |                        |                       | MAG=8. 5dBtyp   | f=18GHz          |         |              | 123  | SDSG          | 2SK406       |
|                      |                      |                        |                        | 1.9             |                 | 18G       |                       |                                     |                        |                       | MAG=8. 5dBtyp   | f=18GHz          |         |              | 123  | SDSG          | 2SK407       |
| 100                  | 0.2                  | 5                      | 0                      |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=8Vmax   | ID=1A, VGS=10V   |         |              | 116A | GSD           | 2SK408       |
| 100                  | 0.2                  | 5                      | 0                      |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=8Vmax   | ID=1A, VGS=10V   |         |              | 116C | DSG           | 2SK409       |
| 440                  | 0.5                  | 5                      | 0                      |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=6Vmax   | ID=4A, VGS=10V   |         |              | 129  | SSSSDG        | 2SK410       |
| 1550                 | 30                   | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=9Vmax   | ID=3A, VGS=15V   |         |              | 28B  | GSD           | 2SK411       |
| 1400                 | 35                   | 0                      | 10                     |                 |                 |           |                       | 0.4                                 | 15                     | 5                     |                 |                  |         |              | 149  | GDS           | 2SK412       |
| 800                  | 60                   | 0                      | 10                     |                 |                 |           |                       | 0.5                                 | 15                     | 4                     |                 |                  |         | 2SJ118       | 149  | GDS           | 2SK413       |
| 800                  | 60                   | 0                      | 10                     |                 |                 |           |                       | 0.5                                 | 15                     | 4                     |                 |                  |         | 2SJ119       | 149  | GDS           | 2SK414       |
| 470                  | 22                   | 0                      | 10                     |                 |                 |           |                       | 6                                   | 15                     | 2                     |                 |                  |         |              | 149  | GDS           | 2SK415       |
| 170                  | 30                   | 0                      | 10                     |                 |                 |           |                       | 0.8                                 | 15                     | 1                     |                 |                  |         | 2SJ120       | 150  | GDS           | 2SK416(L)(S) |
| 850                  | 370                  | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=1.5Vmax | ID=10A, VGS=10V  |         |              | 142  | GDS, 代替2SK532 | 2SK417       |
| 410                  | 35                   | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=12Vmax  | ID=4A, VGS=10V   |         |              | 142  | GDS, 代替2SK528 | 2SK418       |
| 410                  | 35                   | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=14Vmax  | ID=4A, VGS=10V   |         |              | 142  | GDS, 代替2SK529 | 2SK419       |
| 670                  | 50                   | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=18Vmax  | ID=8A, VGS=10V   |         |              | 142  | GDS, 代替2SK530 | 2SK420       |
| 670                  | 50                   | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=22Vmax  | ID=8A, VGS=10V   |         |              | 142  | GDS, 代替2SK531 | 2SK421       |
| 45                   | 20                   | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=4Vmax   | ID=1A, VGS=10V   |         |              | 74B  | SDG           | 2SK422       |
| 40                   | 14                   | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | VDS(ON)=4.3Vmax | ID=0.8A, VGS=10V |         |              | 74B  | SDG           | 2SK423       |
| 1500                 |                      | 0                      | 25                     |                 |                 |           |                       | 1.5                                 | 15                     | 2                     |                 |                  |         |              | 108  | GSD           | 2SK424       |
| 13                   | 3.2                  | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       |                 |                  |         |              | 78A  | DSG           | 2SK425       |
| 13                   | 3.2                  | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | NV=20mVmax      |                  |         |              | 78A  | DSG           | 2SK426       |
| 7                    | 2                    | 0                      | 5                      | 1.5             |                 | 1k        | 1k                    |                                     |                        |                       |                 |                  |         |              | 157A | DGS           | 2SK427       |
| 900                  | 120                  | 0                      | 10                     |                 |                 |           |                       | 0.15                                | 15                     | 5                     |                 |                  |         |              | 116B | GDS           | 2SK428       |
| 280                  | 24                   | 0                      | 10                     |                 |                 |           |                       | 0.7                                 | 15                     | 2                     |                 |                  |         |              | 150  | GDS           | 2SK429(L)(S) |
| 260                  | 14                   | 0                      | 10                     |                 |                 |           |                       | 1                                   | 15                     | 2                     |                 |                  |         |              | 150  | GDS           | 2SK430(L)(S) |
| 28                   | 5.6                  | 0                      | 10                     |                 |                 |           |                       |                                     |                        |                       | en=1nV/√Hz typ  | f=1kHz, Rg=0     |         |              | 87E  | SGD           | 2SK431       |
| 8                    | 1.5                  | 0                      | 10                     |                 |                 |           |                       | 250typ                              | 0                      | 5m                    |                 |                  |         |              | 152  | DSG           | 2SK433       |
| 9                    | 2.8                  | 0                      | 5                      | 0.5             | 3               | 1k        | 1k                    |                                     |                        |                       |                 |                  |         |              | 37B  | DSG           | 2SK435       |
| 7                    | 2                    | 0                      | 5                      | 1.5             |                 | 1k        | 1k                    |                                     |                        |                       |                 |                  |         |              | 126A | GSD           | 2SK436       |
|                      |                      |                        |                        | 1.8             | 2.3             | 12G       |                       |                                     |                        |                       | 雑音最小電力利得10.5dB  | f=12GHz          |         |              | 103  | GSDS          | 2SK437       |