

**TOSHIBA**

# **TOSHIBA**

## **POWER MOSFETs**



1Q, 1999

Alphanumerically

# Toshiba Power MOSFET List

Alphanumerically

| Part Number   | V <sub>DSS</sub> (V) | R <sub>DS(ON)</sub> (Ω) | I <sub>D</sub> (A) | Package            | Generation                  | Status        | Toshiba Replacement | Note | Factory       |
|---------------|----------------------|-------------------------|--------------------|--------------------|-----------------------------|---------------|---------------------|------|---------------|
| 2SJ147        | -60                  | 0.2                     | -12                | TO-220IS           | p-MOSII                     | Non-Promotion | 2SJ304              | A    | Himeji        |
| 2SJ183        | -60                  | 0.35                    | -5                 | POWER MOLD         | L <sup>2</sup> -p-MOSIII    | Non-Promotion | 2SJ377              | A    | Himeji        |
| 2SJ200        | -180                 | 0.83                    | -10                | TO-3P(N)           | π-MOSII                     | M/P           |                     |      | Himeji        |
| 2SJ201        | -200                 | 0.63                    | -12                | TO-3P(L)           | π-MOSII                     | M/P           |                     |      | Himeji        |
| 2SJ224        | -60                  | 0.2                     | -12                | TO-220FL/SM        | p-MOSII                     | Discontinue   | 2SJ312              | A    | Toscom        |
| 2SJ238        | -60                  | 0.85                    | -1                 | POWER-MINI         | L <sup>2</sup> -p-MOSIV     | Non-Promotion | 2SJ360              | A    | Kaga          |
| 2SJ239        | -60                  | 0.25                    | -5                 | POWER MOLD         | L <sup>2</sup> -p-MOSIV     | Non-Promotion | 2SJ377              | A    | Himeji        |
| 2SJ240        | -60                  | 0.045                   | -20                | TO-220IS           | L <sup>2</sup> -p-MOSIV     | Non-Promotion | 2SJ349              | A    | Himeji        |
| 2SJ241        | -60                  | 0.045                   | -20                | TO-220FL/SM        | L <sup>2</sup> -p-MOSIV     | Non-Promotion | 2SJ401              | A    | Toscom        |
| 2SJ304        | -60                  | 0.12                    | -14                | TO-220IS           | L <sup>2</sup> -π-MOSIV     | M/P           |                     |      | Himeji        |
| 2SJ312        | -60                  | 0.12                    | -14                | TO-220FL/SM        | L <sup>2</sup> -π-MOSIV     | M/P           |                     |      | Toscom        |
| 2SJ313        | -180                 | 5                       | -1                 | TO-220IS           | π-MOSII                     | M/P           |                     |      | Himeji        |
| 2SJ315        | -60                  | 0.25                    | -5                 | POWER MOLD         | L <sup>2</sup> -p-MOSIV     | Non-Promotion | 2SJ377              | A    | Himeji        |
| <b>2SJ334</b> | <b>-60</b>           | <b>0.038</b>            | <b>-30</b>         | <b>TO-220IS</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b> |
| 2SJ338        | -180                 | 5                       | -1                 | POWER MOLD         | π-MOSII                     | M/P           |                     |      | Himeji        |
| <b>2SJ349</b> | <b>-60</b>           | <b>0.045</b>            | <b>-20</b>         | <b>TO-220IS</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b> |
| 2SJ359        | -60                  | 0.25                    | -5                 | TPS                | L <sup>2</sup> -p-MOSIV     | Non-Promotion | 2SJ378              | A    | Himeji        |
| <b>2SJ360</b> | <b>-60</b>           | <b>0.73</b>             | <b>-1</b>          | <b>POWER-MINI</b>  | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Kaga</b>   |
| <b>2SJ377</b> | <b>-60</b>           | <b>0.19</b>             | <b>-5</b>          | <b>POWER MOLD</b>  | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b> |
| <b>2SJ378</b> | <b>-60</b>           | <b>0.19</b>             | <b>-5</b>          | <b>TPS</b>         | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b> |
| <b>2SJ380</b> | <b>-100</b>          | <b>0.21</b>             | <b>-12</b>         | <b>TO-220IS</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b> |
| <b>2SJ401</b> | <b>-60</b>           | <b>0.045</b>            | <b>-20</b>         | <b>TO-220FL/SM</b> | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Toscom</b> |
| <b>2SJ402</b> | <b>-60</b>           | <b>0.038</b>            | <b>-30</b>         | <b>TO-220FL/SM</b> | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Toscom</b> |
| <b>2SJ407</b> | <b>-200</b>          | <b>1</b>                | <b>-6</b>          | <b>TO-220IS</b>    | <b>p-MOSV</b>               | <b>OK</b>     |                     |      | <b>Himeji</b> |
| <b>2SJ412</b> | <b>-100</b>          | <b>0.21</b>             | <b>-16</b>         | <b>TO-220FL/SM</b> | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Toscom</b> |
| <b>2SJ438</b> | <b>-60</b>           | <b>0.19</b>             | <b>-5</b>          | <b>TO-220IS</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b> |
| <b>2SJ439</b> | <b>-16</b>           | <b>0.2</b>              | <b>-5</b>          | <b>POWER MOLD</b>  | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b> |
| 2SJ440        | -180                 | 0.83                    | -10                | TO-3P(N)IS         | π-MOSII                     | M/P           |                     |      | Himeji        |
| <b>2SJ464</b> | <b>-100</b>          | <b>0.09</b>             | <b>-18</b>         | <b>TO-220IS</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b> |
| <b>2SJ465</b> | <b>-16</b>           | <b>0.71</b>             | <b>-2</b>          | <b>POWER-MINI</b>  | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Kaga</b>   |
| <b>2SJ482</b> | <b>-60</b>           | <b>0.19</b>             | <b>-5</b>          | <b>SP</b>          | <b>L<sup>2</sup>-p-MOSV</b> | <b>2Q/99</b>  |                     |      | <b>Himeji</b> |
| 2SJ507        | -60                  | 0.7                     | -1                 | TO-92MOD           | L <sup>2</sup> -p-MOSV      | OK            |                     |      | Kaga          |
| 2SJ508        | -100                 | 1.9                     | -1                 | POWER-MINI         | L <sup>2</sup> -p-MOSV      | OK            |                     |      | Kaga          |
| 2SJ509        | -100                 | 1.9                     | -1                 | TO-92MOD           | L <sup>2</sup> -p-MOSV      | OK            |                     |      | Kaga          |
| 2SJ511        | -30                  | 0.45                    | -2                 | POWER-MINI         | L <sup>2</sup> -p-MOSV      | OK            |                     |      | Kaga          |
| 2SJ512        | -250                 | 1.25                    | -5                 | TO-220IS           | p-MOSV                      | OK            |                     |      | Himeji        |
| <b>2SJ513</b> | <b>-200</b>          | <b>0.5</b>              | <b>-9.5</b>        | <b>TO-220IS</b>    | <b>p-MOSV</b>               | <b>2Q/99</b>  |                     |      | <b>Himeji</b> |
| <b>2SJ514</b> | <b>-250</b>          | <b>0.625</b>            | <b>-7.5</b>        | <b>TO-220IS</b>    | <b>p-MOSV</b>               | <b>2Q/99</b>  |                     |      | <b>Himeji</b> |
| <b>2SJ515</b> | <b>-200</b>          | <b>0.64</b>             | <b>-7</b>          | <b>TO-220IS</b>    | <b>p-MOSV</b>               | <b>2Q/99</b>  |                     |      | <b>Himeji</b> |
| <b>2SJ516</b> | <b>-250</b>          | <b>0.8</b>              | <b>-6.5</b>        | <b>TO-220IS</b>    | <b>p-MOSV</b>               | <b>1Q/99</b>  |                     |      | <b>Himeji</b> |
| 2SJ525        | -30                  | 0.12                    | -5                 | TPS                | L <sup>2</sup> -p-MOSV      | OK            |                     |      | Himeji        |
| <b>2SJ537</b> | <b>-50</b>           | <b>0.19</b>             | <b>-5</b>          | <b>LSTM</b>        | <b>L<sup>2</sup>-p-MOSV</b> | <b>1Q/99</b>  |                     |      | <b>Kaga</b>   |
| <b>2SJ567</b> | <b>-200</b>          | <b>0.8</b>              | <b>-5</b>          | <b>POWER MOLD</b>  | <b>p-MOSV</b>               | <b>1Q/99</b>  |                     |      | <b>Himeji</b> |
| <b>2SJ568</b> | <b>-200</b>          | <b>0.8</b>              | <b>-5</b>          | <b>TO-220FL/SM</b> | <b>p-MOSV</b>               | <b>2Q/99</b>  |                     |      | <b>Toscom</b> |
| 2SK357        | 150                  | 0.9                     | 5                  | TO-220AB           | p-MOS                       | Non-Promotion | 2SK2381             | B    | Toscom        |
| 2SK358        | 250                  | 1                       | 5                  | TO-220AB           | p-MOS                       | Non-Promotion | 2SK2417             | B    | Toscom        |
| 2SK385        | 400                  | 0.6                     | 10                 | TO-3P(L)           | p-MOS                       | Non-Promotion | 2SK2698             | B    | Himeji        |
| 2SK386        | 450                  | 0.7                     | 10                 | TO-3P(L)           | p-MOS                       | Non-Promotion | 2SK2698             | B    | Himeji        |
| 2SK387        | 150                  | 0.18                    | 12                 | TO-3P(L)           | p-MOS                       | Non-Promotion | 2SK2882             | B    | Himeji        |

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Alphanumerically

| Part Number | V <sub>DSS</sub> (V) | R <sub>DS(ON)</sub> (Ω) | I <sub>D</sub> (A) | Package  | Generation                | Status        | Toshiba Replacement | Note | Factory |
|-------------|----------------------|-------------------------|--------------------|----------|---------------------------|---------------|---------------------|------|---------|
| 2SK388      | 250                  | 0.25                    | 12                 | TO-3P(L) | p-MOS                     | Non-Promotion | 2SK2598             | B    | Himeji  |
| 2SK422      | 60                   | 2.8                     | 0.7                | TO-92MOD | p-MOS                     | Non-Promotion | 2SK940              | A    | Kaga    |
| 2SK447      | 250                  | 0.24                    | 15                 | TO-3P(L) | p-MOS                     | Non-Promotion | 2SK2508             | B    | Himeji  |
| 2SK525      | 150                  | 0.28                    | 10                 | TO-220IS | p-MOS                     | Non-Promotion | 2SK2382             | A    | Himeji  |
| 2SK526      | 250                  | 0.6                     | 10                 | TO-220IS | p-MOS                     | Non-Promotion | 2SK2417             | A    | Himeji  |
| 2SK528      | 400                  | 2.2                     | 2                  | TO-220IS | p-MOS                     | Non-Promotion | 2SK2662             | A    | Himeji  |
| 2SK529      | 450                  | 2.6                     | 2                  | TO-220IS | p-MOS                     | Non-Promotion | 2SK2662             | A    | Himeji  |
| 2SK530      | 400                  | 1.4                     | 5                  | TO-220IS | p-MOS                     | Non-Promotion | 2SK2662             | A    | Himeji  |
| 2SK531      | 450                  | 1.6                     | 5                  | TO-220IS | p-MOS                     | Non-Promotion | 2SK2662             | A    | Himeji  |
| 2SK532      | 60                   | 0.085                   | 12                 | TO-220IS | p-MOS                     | Non-Promotion | 2SK2232             | A    | Himeji  |
| 2SK537      | 900                  | 9                       | 1                  | TO-220AB | p-MOS                     | Non-Promotion | 2SK2733             | A    | Toscom  |
| 2SK538      | 900                  | 4.5                     | 3                  | TO-3P(N) | p-MOS                     | Non-Promotion | 2SK2719             | A    | Himeji  |
| 2SK539      | 900                  | 2.5                     | 5                  | TO-3P(L) | p-MOS                     | Non-Promotion | 2SK2610             | B    | Himeji  |
| 2SK572      | 150                  | 0.18                    | 15                 | TO-3P(N) | p-MOS                     | Discontinue   | 2SK2882             | B    | Himeji  |
| 2SK573      | 250                  | 0.32                    | 15                 | TO-3P(N) | p-MOS                     | Discontinue   | 2SK2508             | B    | Himeji  |
| 2SK578      | 150                  | 0.22                    | 15                 | TO-3P(L) | p-MOS                     | Non-Promotion | 2SK2382             | B    | Himeji  |
| 2SK643      | 450                  | 0.85                    | 10                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2601             | A    | Himeji  |
| 2SK644      | 500                  | 1                       | 10                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2601             | A    | Himeji  |
| 2SK672      | 60                   | 0.2                     | 10                 | TO-220AB | p-MOSII                   | Discontinue   | 2SK2232             | B    | Toscom  |
| 2SK673      | 60                   | 0.11                    | 15                 | TO-220AB | p-MOSII                   | Discontinue   | 2SK2232             | B    | Toscom  |
| 2SK674      | 60                   | 0.06                    | 25                 | TO-220AB | p-MOSII                   | Non-Promotion | 2SK2232             | A    | Toscom  |
| 2SK678      | 500                  | 0.4                     | 13                 | TO-3P(L) | p-MOSII                   | Discontinue   | 2SK2698             | B    | Himeji  |
| 2SK693      | 450                  | 0.4                     | 13                 | TO-3P(L) | p-MOSII                   | Discontinue   | 2SK2698             | B    | Himeji  |
| 2SK694      | 500                  | 0.5                     | 12                 | TO-3P(L) | p-MOSII                   | Discontinue   | 2SK2698             | B    | Himeji  |
| 2SK788      | 500                  | 0.5                     | 13                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2698             | A    | Himeji  |
| 2SK789      | 450                  | 0.4                     | 15                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2698             | A    | Himeji  |
| 2SK790      | 500                  | 0.4                     | 15                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2698             | A    | Himeji  |
| 2SK791      | 850                  | 4.5                     | 3                  | TO-220AB | p-MOS                     | Non-Promotion | 2SK2608             | A    | Toscom  |
| 2SK792      | 900                  | 4.5                     | 3                  | TO-220AB | p-MOS                     | Non-Promotion | 2SK2608             | A    | Toscom  |
| 2SK793      | 850                  | 2.5                     | 5                  | TO-3P(N) | p-MOS                     | Non-Promotion | 2SK2604             | A    | Himeji  |
| 2SK794      | 900                  | 2.5                     | 5                  | TO-3P(N) | p-MOS                     | Non-Promotion | 2SK2610             | A    | Himeji  |
| 2SK849      | 60                   | 0.038                   | 40                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2233             | A    | Himeji  |
| 2SK850      | 100                  | 0.06                    | 40                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2466             | B    | Himeji  |
| 2SK851      | 200                  | 0.085                   | 30                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2967             | A    | Himeji  |
| 2SK856      | 60                   | 0.03                    | 45                 | TO-220AB | p-MOSIII                  | Non-Promotion | 2SK2385             | B    | Toscom  |
| 2SK858      | 600                  | 4                       | 2                  | TO-220AB | p-MOSII                   | Non-Promotion | 2SK2750             | B    | Toscom  |
| 2SK888      | 100                  | 0.18                    | 15                 | TO-220AB | p-MOSII                   | Non-Promotion | 2SK2314             | A    | Toscom  |
| 2SK889      | 100                  | 0.085                   | 27                 | TO-220AB | p-MOSII                   | Non-Promotion | 2SK2314             | A    | Toscom  |
| 2SK890      | 200                  | 0.4                     | 10                 | TO-220AB | p-MOSII                   | Non-Promotion | 2SK2350             | B    | Toscom  |
| 2SK891      | 200                  | 0.18                    | 20                 | TO-220AB | p-MOSII                   | Discontinue   | 2SK2382             | B    | Toscom  |
| 2SK892      | 500                  | 3                       | 2.5                | TO-220AB | p-MOSII                   | Discontinue   | 2SK2661             | A    | Toscom  |
| 2SK893      | 500                  | 1.5                     | 5                  | TO-220AB | p-MOSII                   | Non-Promotion | 2SK2661             | A    | Toscom  |
| 2SK894      | 500                  | 0.85                    | 8                  | TO-220AB | p-MOSII                   | Non-Promotion | 2SK2542             | A    | Toscom  |
| 2SK895      | 450                  | 0.6                     | 12                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2601             | A    | Himeji  |
| 2SK896      | 500                  | 0.5                     | 12                 | TO-3P(N) | p-MOSII                   | Non-Promotion | 2SK2601             | A    | Himeji  |
| 2SK940      | 60                   | 0.55                    | 0.8                | TO-92MOD | L <sup>2</sup> - p-MOSIII | Non-Promotion | 2SK2961             | A    | Kaga    |
| 2SK941      | 100                  | 1.3                     | 0.6                | TO-92MOD | L <sup>2</sup> - p-MOSIII | Non-Promotion | 2SK2962             | A    | Kaga    |
| 2SK942      | 60                   | 0.046                   | 25                 | TO-220AB | L <sup>2</sup> - p-MOSIII | Non-Promotion | 2SK2232             | B    | Toscom  |
| 2SK943      | 60                   | 0.046                   | 25                 | TO-220IS | L <sup>2</sup> - p-MOSIII | Non-Promotion | 2SK2232             | A    | Himeji  |

## Toshiba Power MOSFET List

Alphanumerically

| Part Number | V <sub>DS</sub> (V) | R <sub>DS(ON)</sub> (Ω) | I <sub>D</sub> (A) | Package    | Generation               | Status        | Toshiba Replacement | Note | Factory    |
|-------------|---------------------|-------------------------|--------------------|------------|--------------------------|---------------|---------------------|------|------------|
| 2SK944      | 250                 | 0.15                    | 22                 | TO-3P(N)   | p-MOSII                  | Non-Promotion | 2SK2967             | A    | Himeji     |
| 2SK945      | 400                 | 5                       | 1                  | POWER MOLD | p-MOSII                  | Non-Promotion | 2SK2599             | B    | Himeji     |
| 2SK1029     | 500                 | 0.5                     | 10                 | TO-3P(L)   | p-MOSII                  | Discontinue   | 2SK2698             | B    | Himeji     |
| 2SK1078     | 60                  | 0.55                    | 0.8                | POWER-MINI | L <sup>2</sup> -p-MOSIII | Non-Promotion | 2SK2615             | A    | Kaga       |
| 2SK1079     | 100                 | 1.3                     | 0.6                | POWER-MINI | L <sup>2</sup> -p-MOSIII | Non-Promotion | 2SK2963             | A    | Kaga       |
| 2SK1112     | 60                  | 0.16                    | 5                  | POWER MOLD | L <sup>2</sup> -p-MOSIII | Non-Promotion | 2SK2231             | A    | Himeji     |
| 2SK1113     | 120                 | 0.42                    | 3                  | POWER MOLD | L <sup>2</sup> -p-MOSIII | Non-Promotion | 2SK2201             | A    | Himeji     |
| 2SK1114     | 60                  | 0.07                    | 12                 | TO-220AB   | L <sup>2</sup> -p-MOSIII | Discontinue   | 2SK2232             | B    | Toscom     |
| 2SK1115     | 60                  | 0.055                   | 20                 | TO-220AB   | L <sup>2</sup> -p-MOSIII | Discontinue   | 2SK2232             | B    | Toscom     |
| 2SK1116     | 100                 | 0.058                   | 25                 | TO-220AB   | L <sup>2</sup> -p-MOSIII | Discontinue   | 2SK2314             | A    | Toscom     |
| 2SK1117     | 600                 | 1.25                    | 6                  | TO-220AB   | p-MOSII                  | Non-Promotion | 2SK2544             | A    | Toscom     |
| 2SK1118     | 600                 | 1.25                    | 6                  | TO-220IS   | p-MOSII                  | Non-Promotion | 2SK2545             | A    | Himeji/TST |
| 2SK1119     | 1000                | 3.8                     | 4                  | TO-220AB   | π-MOSII.5                | M/P           |                     |      | Toscom     |
| 2SK1120     | 1000                | 1.8                     | 8                  | TO-3P(N)   | π-MOSII.5                | M/P           |                     |      | Himeji     |
| 2SK1124     | 60                  | 0.03                    | 45                 | TO-3P(N)   | p-MOSIII                 | Discontinue   | 2SK2233             | A    | Himeji     |
| 2SK1213     | 600                 | 1.25                    | 6                  | TO-3P(N)   | p-MOSII                  | Non-Promotion | 2SK2602             | A    | Himeji/TST |
| 2SK1333     | 500                 | 0.4                     | 15                 | TO-3P(L)   | p-MOSII                  | Discontinue   | 2SK2698             | B    | Himeji     |
| 2SK1344     | 60                  | 0.07                    | 12                 | TO-220IS   | L <sup>2</sup> -p-MOSIII | Discontinue   | 2SK2232             | A    | Himeji     |
| 2SK1345     | 60                  | 0.055                   | 20                 | TO-220IS   | L <sup>2</sup> -p-MOSIII | Discontinue   | 2SK2232             | A    | Himeji     |
| 2SK1346     | 60                  | 0.06                    | 25                 | TO-220IS   | p-MOSII                  | Discontinue   | 2SK2232             | A    | Himeji     |
| 2SK1347     | 100                 | 0.085                   | 20                 | TO-220AB   | L <sup>2</sup> -p-MOSIII | Discontinue   | 2SK2314             | A    | Toscom     |
| 2SK1348     | 100                 | 0.085                   | 20                 | TO-220IS   | L <sup>2</sup> -p-MOSIII | Non-Promotion | 2SK2391             | A    | Himeji     |
| 2SK1349     | 100                 | 0.058                   | 25                 | TO-220IS   | L <sup>2</sup> -p-MOSIII | Non-Promotion | 2SK2391             | A    | Himeji     |
| 2SK1350     | 200                 | 0.18                    | 15                 | TO-220IS   | p-MOSII                  | Non-Promotion | 2SK2382             | A    | Himeji     |
| 2SK1351     | 500                 | 1.5                     | 5                  | TO-220IS   | p-MOSII                  | Non-Promotion | 2SK2662             | A    | Himeji     |
| 2SK1352     | 500                 | 0.85                    | 7                  | TO-220IS   | p-MOSII                  | Non-Promotion | 2SK2543             | A    | Himeji     |
| 2SK1356     | 900                 | 4.3                     | 3                  | TO-220IS   | p-MOSII                  | Non-Promotion | 2SK2700             | A    | Himeji     |
| 2SK1357     | 900                 | 2.8                     | 5                  | TO-3P(N)   | p-MOSII.5                | Non-Promotion | 2SK2610             | A    | Himeji     |
| 2SK1358     | 900                 | 1.4                     | 9                  | TO-3P(N)   | p-MOSII.5                | Non-Promotion | 2SK2611             | A    | Himeji/TST |
| 2SK1359     | 1000                | 3.8                     | 5                  | TO-3P(N)   | π-MOSII.5                | M/P           |                     |      | Himeji     |
| 2SK1362     | 900                 | 2.5                     | 5                  | TO-3P(N)IS | p-MOS                    | Non-Promotion | 2SK2610             | B    | Himeji     |
| 2SK1363     | 900                 | 1.4                     | 8                  | TO-3P(N)IS | p-MOSII.5                | Non-Promotion | 2SK2847             | A    | Himeji     |
| 2SK1365     | 1000                | 1.8                     | 7                  | TO-3P(N)IS | π-MOSII.5                | M/P           |                     |      | Himeji     |
| 2SK1377     | 400                 | 1.2                     | 5.5                | TO-220IS   | p-MOS                    | Non-Promotion | 2SK2679             | A    | Himeji/TST |
| 2SK1378     | 400                 | 0.55                    | 10                 | TO-220AB   | p-MOS                    | Non-Promotion | 2SK2841             | A    | Toscom     |
| 2SK1379     | 60                  | 0.017                   | 50                 | TO-3P(N)   | L <sup>2</sup> -p-MOSIII | Non-Promotion | 2SK2173             | A    | Himeji     |
| 2SK1380     | 60                  | 0.011                   | 60                 | TO-3P(L)   | L <sup>2</sup> -p-MOSIII | Discontinue   | 2SK2267             | A    | Himeji     |
| 2SK1381     | 100                 | 0.032                   | 50                 | TO-3P(N)   | L <sup>2</sup> -π-MOSIII | M/P           |                     |      | Himeji     |
| 2SK1382     | 100                 | 0.02                    | 60                 | TO-3P(L)   | L <sup>2</sup> -π-MOSIII | M/P           |                     |      | Himeji     |
| 2SK1486     | 300                 | 0.095                   | 32                 | TO-3P(L)   | π-MOSIII.5               | M/P           |                     |      | Himeji     |
| 2SK1487     | 450                 | 1                       | 10                 | TO-3P(N)   | p-MOSIII.5               | Non-Promotion | 2SK2601             | A    | Himeji     |
| 2SK1488     | 500                 | 1                       | 10                 | TO-3P(N)   | p-MOSIII.5               | Non-Promotion | 2SK2601             | A    | Himeji     |
| 2SK1489     | 1000                | 1                       | 12                 | TO-3P(L)   | π-MOSII.5                | M/P           |                     |      | Himeji     |
| 2SK1513     | 500                 | 0.75                    | 8                  | TO-3P(L)   | p-MOSII                  | Discontinue   | 2SK2601             | B    | Himeji     |
| 2SK1529     | 180                 | 0.83                    | 10                 | TO-3P(N)   | π-MOSII                  | M/P           |                     |      | Himeji     |
| 2SK1530     | 200                 | 0.63                    | 12                 | TO-3P(L)   | π-MOSII                  | M/P           |                     |      | Himeji     |
| 2SK1531     | 500                 | 0.45                    | 15                 | TO-3P(N)   | p-MOSIII.5               | Non-Promotion | 2SK2698             | A    | Himeji     |
| 2SK1542     | 60                  | 0.02                    | 45                 | TO-220AB   | L <sup>2</sup> -π-MOSIV  | M/P           |                     |      | Toscom     |
| 2SK1544     | 500                 | 0.2                     | 25                 | TO-3P(L)   | π-MOSIII.5               | M/P           |                     |      | Himeji     |

# Toshiba Power MOSFET List

Alphanumerically

| Part Number | V <sub>DS</sub> (V) | R <sub>DS(ON)</sub> (Ω) | I <sub>D</sub> (A) | Package     | Generation               | Status        | Toshiba Replacement | Note | Factory    |
|-------------|---------------------|-------------------------|--------------------|-------------|--------------------------|---------------|---------------------|------|------------|
| 2SK1574     | 500                 | 0.85                    | 8                  | TO-220AB    | p-MOSIII.5               | Non-Promotion | 2SK2542             | A    | Toscom     |
| 2SK1600     | 800                 | 5                       | 3                  | TO-220AB    | p-MOSII.5                | Non-Promotion | 2SK2603             | A    | Toscom     |
| 2SK1601     | 900                 | 6.4                     | 3                  | TO-220AB    | p-MOSII.5                | Non-Promotion | 2SK2608             | A    | Toscom     |
| 2SK1602     | 800                 | 5                       | 2.8                | TO-220IS    | p-MOSII.5                | Non-Promotion | 2SK2603             | B    | Himeji     |
| 2SK1603     | 900                 | 6.4                     | 2.5                | TO-220IS    | p-MOSII.5                | Non-Promotion | 2SK2718             | A    | Himeji/TST |
| 2SK1641     | 250                 | 0.23                    | 9                  | TO-3P(N)    | π-MOSII                  | M/P           |                     |      | Himeji     |
| 2SK1642     | 400                 | 0.55                    | 9                  | TO-220IS    | p-MOSII                  | Non-Promotion | 2SK2841             | B    | Himeji     |
| 2SK1643     | 900                 | 2.8                     | 5                  | TO-220AB    | π-MOSII.5                | M/P           |                     |      | Toscom     |
| 2SK1649     | 900                 | 2.5                     | 6                  | TO-3P(N)    | p-MOS                    | Discontinue   | 2SK2610             | A    | Himeji     |
| 2SK1650     | 900                 | 4.3                     | 4                  | TO-3P(N)    | p-MOSII                  | Discontinue   | 2SK2719             | A    | Himeji     |
| 2SK1651     | 500                 | 1                       | 8                  | TO-3P(N)IS  | p-MOSIII.5               | Non-Promotion | 2SK2600             | A    | Himeji     |
| 2SK1652     | 500                 | 0.45                    | 13                 | TO-3P(N)IS  | p-MOSIII.5               | Non-Promotion | 2SK2698             | B    | Himeji     |
| 2SK1653     | 60                  | 0.02                    | 45                 | TO-220IS    | L <sup>2</sup> -p-MOSIV  | Non-Promotion | 2SK2312             | A    | Himeji     |
| 2SK1692     | 900                 | 2                       | 7                  | TO-3P(N)    | p-MOSII.5                | Non-Promotion | 2SK2749             | A    | Himeji     |
| 2SK1717     | 60                  | 0.37                    | 2                  | POWER-MINI  | L <sup>2</sup> -p-MOSIV  | Non-Promotion | 2SK2615             | A    | Kaga       |
| 2SK1719     | 60                  | 0.11                    | 5                  | POWER MOLD  | L2-p-MOSIV               | Non-Promotion | 2SK2231             | A    | Himeji     |
| 2SK1720     | 60                  | 0.03                    | 45                 | TO-220FL/SM | p-MOSIII                 | Non-Promotion | 2SK2266             | A    | Toscom     |
| 2SK1721     | 500                 | 3                       | 3                  | TO-220FL/SM | p-MOSII                  | Non-Promotion | 2SK2991             | A    | Toscom     |
| 2SK1722     | 500                 | 1.5                     | 5                  | TO-220FL/SM | p-MOSII                  | Non-Promotion | 2SK2776             | A    | Toscom     |
| 2SK1723     | 600                 | 0.65                    | 12                 | TO-3P(N)    | p-MOSII                  | Non-Promotion | 2SK2699             | A    | Himeji     |
| 2SK1745     | 500                 | 0.36                    | 18                 | TO-3P(N)    | p-MOSIII.5               | Non-Promotion | 2SK2837             | A    | Himeji     |
| 2SK1746     | 600                 | 4                       | 2                  | TO-220FL/SM | π-MOSII                  | M/P           |                     |      | Toscom     |
| 2SK1766     | 250                 | 0.6                     | 10                 | TO-220IS    | p-MOSIII.5               | Non-Promotion | 2SK2417             | A    | Himeji     |
| 2SK1767     | 600                 | 2.5                     | 3.5                | TO-220IS    | p-MOSIII.5               | Non-Promotion | 2SK2750             | A    | Himeji     |
| 2SK1768     | 60                  | 0.07                    | 12                 | NPM         | L <sup>2</sup> -p-MOSIII | Non-Promotion | 2SK2614             | B    | Himeji     |
| 2SK1769     | 600                 | 4                       | 2                  | NPM         | p-MOSII                  | Non-Promotion | 2SK2599             | B    | Himeji     |
| 2SK1792     | 60                  | 0.02                    | 45                 | TO-220FL/SM | L <sup>2</sup> -p-MOSIV  | Non-Promotion | 2SK2376             | A    | Toscom     |
| 2SK1805     | 500                 | 0.85                    | 7                  | TO-220IS    | p-MOSIII.5               | Non-Promotion | 2SK2543             | A    | Himeji     |
| 2SK1854     | 400                 | 1                       | 6                  | TO-220IS    | p-MOSIII.5               | Non-Promotion | 2SK2679             | A    | Himeji     |
| 2SK1855     | 500                 | 0.65                    | 12                 | TO-3P(N)    | p-MOSIII.5               | Non-Promotion | 2SK2698             | A    | Himeji     |
| 2SK1858     | 800                 | 5                       | 3                  | TO-220FL/SM | p-MOSII.5                | Non-Promotion | 2SK2883             | A    | Toscom     |
| 2SK1864     | 500                 | 0.85                    | 8                  | TO-220FL/SM | p-MOSIII.5               | Non-Promotion | 2SK2776             | A    | Toscom     |
| 2SK1865     | 500                 | 0.65                    | 12                 | TO-220FL/SM | p-MOSIII.5               | Non-Promotion | 2SK3068             | A    | Toscom     |
| 2SK1879     | 60                  | 0.03                    | 45                 | TO-3P(N)    | L <sup>2</sup> -p-MOSIV  | Discontinue   | 2SK2398             | A    | Himeji     |
| 2SK1882     | 60                  | 0.05                    | 25                 | TO-220IS    | L <sup>2</sup> -p-MOSIII | Non-Promotion | 2SK2232             | A    | Himeji     |
| 2SK1913     | 600                 | 1.8                     | 4                  | TO-220IS    | p-MOSIII.5               | Non-Promotion | 2SK2545             | A    | Himeji     |
| 2SK1915     | 600                 | 1.25                    | 6                  | TO-220FL/SM | p-MOSII                  | Non-Promotion | 2SK2777             | A    | Toscom     |
| 2SK1927     | 100                 | 0.18                    | 15                 | TO-220FL/SM | p-MOSII                  | Non-Promotion | 2SK2789             | A    | Toscom     |
| 2SK1928     | 100                 | 0.085                   | 27                 | TO-220FL/SM | p-MOSII                  | Non-Promotion | 2SK2789             | A    | Toscom     |
| 2SK1929     | 900                 | 2.8                     | 5                  | TO-220FL/SM | π-MOSII.5                | M/P           |                     |      | Toscom     |
| 2SK1930     | 1000                | 3.8                     | 4                  | TO-220FL/SM | π-MOSII.5                | M/P           |                     |      | Toscom     |
| 2SK1997     | 60                  | 0.03                    | 36                 | TO-220IS    | L <sup>2</sup> -p-MOSIV  | Discontinue   | 2SK2385             | A    | Himeji     |
| 2SK1998     | 60                  | 0.03                    | 45                 | TO-3P(N)    | L <sup>2</sup> -p-MOSIV  | Discontinue   | 2SK2233             | A    | Himeji     |
| 2SK2013     | 180                 | 5                       | 1                  | TO-220IS    | π-MOSII                  | M/P           |                     |      | Himeji     |
| 2SK2030     | 60                  | 0.14                    | 5                  | POWER MOLD  | L2-p-MOSIV               | Non-Promotion | 2SK2231             | A    | Himeji     |
| 2SK2038     | 800                 | 2.2                     | 5                  | TO-3P(N)    | p-MOSII.5                | Non-Promotion | 2SK2604             | A    | Himeji/TST |
| 2SK2039     | 900                 | 2.5                     | 5                  | TO-3P(N)    | p-MOSII.5                | Non-Promotion | 2SK2610             | A    | Himeji/TST |
| 2SK2056     | 800                 | 2.4                     | 4                  | TO-220IS    | p-MOSII.5                | Non-Promotion | 2SK2605             | A    | Himeji/TST |
| 2SK2057     | 500                 | 0.34                    | 20                 | TO-3P(N)    | p-MOSIV                  | Non-Promotion | 2SK2837             | A    | Himeji     |

# Toshiba Power MOSFET List

Alphanumerically

| Part Number    | V <sub>DSS</sub> (V) | R <sub>DS(ON)</sub> (Ω) | I <sub>D</sub> (A) | Package            | Generation                  | Status        | Toshiba Replacement | Note | Factory           |
|----------------|----------------------|-------------------------|--------------------|--------------------|-----------------------------|---------------|---------------------|------|-------------------|
| 2SK2077        | 800                  | 1.7                     | 7                  | TO-3P(N)           | p-MOSII.5                   | Non-Promotion | 2SK2746             | A    | Himeji            |
| 2SK2078        | 800                  | 1.2                     | 9                  | TO-3P(N)           | p-MOSII.5                   | Non-Promotion | 2SK2607             | A    | Himeji            |
| 2SK2088        | 200                  | 0.4                     | 10                 | TO-220FL/SM        | p-MOSII                     | Non-Promotion | 2SK2401             | A    | Toscom            |
| 2SK2089        | 800                  | 2.2                     | 5                  | TO-220FL/SM        | p-MOSII.5                   | Non-Promotion | 2SK2884             | A    | Toscom            |
| 2SK2107        | 200                  | 0.18                    | 18                 | TO-220FL/SM        | p-MOSII                     | Non-Promotion | 2SK2401             | A    | Toscom            |
| 2SK2146        | 250                  | 2                       | 2                  | TO-220IS           | p-MOSIII.5                  | Non-Promotion | 2SK2381             | A    | Himeji            |
| 2SK2149        | 500                  | 0.8                     | 10                 | TO-3P(N)           | p-MOSIV                     | Non-Promotion | 2SK2601             | A    | Himeji            |
| 2SK2150        | 500                  | 0.4                     | 15                 | TO-3P(N)           | p-MOSIV                     | Non-Promotion | 2SK2698             | A    | Himeji            |
| 2SK2162        | 180                  | 5                       | 1                  | POWER MOLD         | π-MOSII                     | M/P           |                     |      | Himeji            |
| <b>2SK2173</b> | <b>60</b>            | <b>0.017</b>            | <b>50</b>          | <b>TO-3P(N)</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2200</b> | <b>100</b>           | <b>0.35</b>             | <b>3</b>           | <b>TPS</b>         | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2201</b> | <b>100</b>           | <b>0.35</b>             | <b>3</b>           | <b>POWER MOLD</b>  | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| 2SK2222        | 800                  | 2.2                     | 5                  | TO-3P(N)IS         | π-MOSII.5                   | M/P           |                     |      | Himeji            |
| 2SK2228        | 60                   | 0.11                    | 5                  | TPS                | L <sup>2</sup> -π-MOSIV     | M/P           |                     |      | Himeji            |
| <b>2SK2229</b> | <b>60</b>            | <b>0.16</b>             | <b>5</b>           | <b>TPS</b>         | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| 2SK2230        | 250                  | 2                       | 2                  | TPS                | p-MOSIII.5                  | Non-Promotion | 2SK2835             | A    | Himeji            |
| <b>2SK2231</b> | <b>60</b>            | <b>0.16</b>             | <b>5</b>           | <b>POWER MOLD</b>  | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2232</b> | <b>60</b>            | <b>0.046</b>            | <b>25</b>          | <b>TO-220IS</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji/TST</b> |
| <b>2SK2233</b> | <b>60</b>            | <b>0.03</b>             | <b>45</b>          | <b>TO-3P(N)</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| 2SK2235        | 250                  | 2                       | 2                  | POWER MOLD         | p-MOSIII.5                  | Non-Promotion | 2SK2920             | A    | Himeji            |
| 2SK2236        | 500                  | 1.6                     | 5                  | TO-220IS           | p-MOSIV                     | Non-Promotion | 2SK2662             | A    | Himeji            |
| 2SK2237        | 500                  | 0.8                     | 7                  | TO-220IS           | p-MOSIV                     | Non-Promotion | 2SK2543             | A    | Himeji            |
| <b>2SK2266</b> | <b>60</b>            | <b>0.03</b>             | <b>45</b>          | <b>TO-220FL/SM</b> | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Toscom</b>     |
| <b>2SK2267</b> | <b>60</b>            | <b>0.011</b>            | <b>60</b>          | <b>TO-3P(L)</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| 2SK2274        | 700                  | 1.7                     | 5                  | TO-220IS           | π-MOSII.5                   | M/P           |                     |      | Himeji            |
| <b>2SK2311</b> | <b>60</b>            | <b>0.046</b>            | <b>25</b>          | <b>TO-220FL/SM</b> | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Toscom</b>     |
| <b>2SK2312</b> | <b>60</b>            | <b>0.017</b>            | <b>45</b>          | <b>TO-220IS</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2313</b> | <b>60</b>            | <b>0.011</b>            | <b>60</b>          | <b>TO-3P(N)</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2314</b> | <b>100</b>           | <b>0.085</b>            | <b>27</b>          | <b>TO-220AB</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Toscom</b>     |
| 2SK2319        | 800                  | 1.7                     | 7                  | TO-3P(N)IS         | π-MOSII.5                   | M/P           |                     |      | Himeji            |
| 2SK2320        | 800                  | 1.2                     | 8.5                | TO-3P(N)IS         | p-MOSII.5                   | Non-Promotion | 2SK2606             | A    | Himeji            |
| <b>2SK2350</b> | <b>200</b>           | <b>0.4</b>              | <b>8.5</b>         | <b>TO-220IS</b>    | <b>p-MOSV</b>               | <b>OK</b>     |                     |      | <b>Himeji/TST</b> |
| 2SK2351        | 600                  | 1.25                    | 6                  | TO-220AB           | p-MOSIV                     | Non-Promotion | 2SK2544             | A    | Toscom            |
| 2SK2352        | 600                  | 1.25                    | 6                  | TO-220IS           | p-MOSIV                     | Non-Promotion | 2SK2545             | A    | Himeji            |
| <b>2SK2376</b> | <b>60</b>            | <b>0.017</b>            | <b>45</b>          | <b>TO-220FL/SM</b> | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Toscom</b>     |
| <b>2SK2381</b> | <b>200</b>           | <b>0.8</b>              | <b>5</b>           | <b>TO-220IS</b>    | <b>p-MOSV</b>               | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2382</b> | <b>200</b>           | <b>0.18</b>             | <b>15</b>          | <b>TO-220IS</b>    | <b>p-MOSV</b>               | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2385</b> | <b>60</b>            | <b>0.03</b>             | <b>36</b>          | <b>TO-220IS</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| 2SK2386        | 500                  | 1.6                     | 5                  | TO-220AB           | p-MOSIV                     | Non-Promotion | 2SK2661             | A    | Toscom            |
| 2SK2387        | 500                  | 0.8                     | 8                  | TO-220AB           | p-MOSIV                     | Non-Promotion | 2SK2542             | A    | Toscom            |
| 2SK2388        | 600                  | 2.2                     | 3.5                | TO-220IS           | p-MOSIV                     | Non-Promotion | 2SK2750             | A    | Himeji            |
| 2SK2389        | 700                  | 1.7                     | 5                  | TO-220AB           | π-MOSII.5                   | M/P           |                     |      | Toscom            |
| <b>2SK2391</b> | <b>100</b>           | <b>0.085</b>            | <b>20</b>          | <b>TO-220IS</b>    | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2398</b> | <b>60</b>            | <b>0.03</b>             | <b>45</b>          | <b>TO-3P(N)</b>    | <b>p-MOSV</b>               | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2399</b> | <b>100</b>           | <b>0.23</b>             | <b>5</b>           | <b>POWER MOLD</b>  | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2400</b> | <b>100</b>           | <b>0.23</b>             | <b>5</b>           | <b>TPS</b>         | <b>L<sup>2</sup>-p-MOSV</b> | <b>OK</b>     |                     |      | <b>Himeji</b>     |
| <b>2SK2401</b> | <b>200</b>           | <b>0.18</b>             | <b>15</b>          | <b>TO-220FL/SM</b> | <b>p-MOSV</b>               | <b>OK</b>     |                     |      | <b>Toscom</b>     |
| 2SK2402        | 600                  | 2.2                     | 3.5                | TO-220AB           | p-MOSIV                     | Non-Promotion | 2SK2750             | B    | Toscom            |
| <b>2SK2417</b> | <b>250</b>           | <b>0.5</b>              | <b>7.5</b>         | <b>TO-220IS</b>    | <b>p-MOSV</b>               | <b>OK</b>     |                     |      | <b>Himeji</b>     |

# Toshiba Power MOSFET List

Alphanumerically

| Part Number | V <sub>DSS</sub> (V) | R <sub>DS(ON)</sub> (Ω) | I <sub>D</sub> (A) | Package     | Generation             | Status | Toshiba Replacement | Note | Factory    |
|-------------|----------------------|-------------------------|--------------------|-------------|------------------------|--------|---------------------|------|------------|
| 2SK2445     | 60                   | 0.018                   | 50                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji     |
| 2SK2466     | 100                  | 0.046                   | 30                 | TO-220IS    | U-MOS                  | OK     |                     |      | Himeji     |
| 2SK2467     | 180                  | 0.83                    | 8                  | TO-3P(N)IS  | π-MOSII                | M/P    |                     |      | Himeji     |
| 2SK2493     | 16                   | 0.1                     | 5                  | POWER MOLD  | L <sup>2</sup> -p-MOSV | OK     |                     |      | Himeji     |
| 2SK2507     | 50                   | 0.046                   | 25                 | TO-220IS    | L <sup>2</sup> -p-MOSV | OK     |                     |      | Himeji     |
| 2SK2508     | 250                  | 0.25                    | 13                 | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji     |
| 2SK2542     | 500                  | 0.85                    | 8                  | TO-220AB    | p-MOSV                 | OK     |                     |      | Toscom     |
| 2SK2543     | 500                  | 0.85                    | 8                  | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji/TST |
| 2SK2544     | 600                  | 1.25                    | 6                  | TO-220AB    | p-MOSV                 | OK     |                     |      | Toscom     |
| 2SK2545     | 600                  | 1.25                    | 6                  | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji/TST |
| 2SK2549     | 16                   | 0.29                    | 2                  | POWER-MINI  | L <sup>2</sup> -p-MOSV | OK     |                     |      | Kaga       |
| 2SK2550     | 50                   | 0.03                    | 45                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji     |
| 2SK2551     | 50                   | 0.011                   | 50                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji     |
| 2SK2598     | 250                  | 0.25                    | 13                 | TO-220FL/SM | p-MOSV                 | OK     |                     |      | Toscom     |
| 2SK2599     | 500                  | 3                       | 2                  | TPS         | p-MOSV                 | OK     |                     |      | Himeji     |
| 2SK2600     | 500                  | 0.85                    | 8                  | TO-3P(N)IS  | p-MOSV                 | 2Q/99  |                     |      | Himeji     |
| 2SK2601     | 500                  | 1                       | 10                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji     |
| 2SK2602     | 600                  | 1.25                    | 6                  | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji/TST |
| 2SK2603     | 800                  | 3.6                     | 3                  | TO-220AB    | p-MOSIII               | OK     |                     |      | Toscom     |
| 2SK2604     | 800                  | 2.2                     | 5                  | TO-3P(N)    | p-MOSIII               | OK     |                     |      | Himeji/TST |
| 2SK2605     | 800                  | 2.2                     | 5                  | TO-220IS    | p-MOSIII               | OK     |                     |      | Himeji/TST |
| 2SK2606     | 800                  | 1.2                     | 8                  | TO-3P(N)IS  | p-MOSIII               | OK     |                     |      | Himeji     |
| 2SK2607     | 800                  | 1.2                     | 9                  | TO-3P(N)    | p-MOSIII               | OK     |                     |      | Himeji/TST |
| 2SK2608     | 900                  | 4.3                     | 3                  | TO-220AB    | p-MOSIII               | OK     |                     |      | Toscom     |
| 2SK2610     | 900                  | 2.5                     | 5                  | TO-3P(N)    | p-MOSIII               | OK     |                     |      | Himeji/TST |
| 2SK2611     | 900                  | 1.4                     | 9                  | TO-3P(N)    | p-MOSIII               | OK     |                     |      | Himeji/TST |
| 2SK2613     | 1000                 | 1.7                     | 8                  | TO-3P(N)    | p-MOSIII               | 1Q/99  |                     |      | Himeji     |
| 2SK2614     | 50                   | 0.046                   | 20                 | DP          | L <sup>2</sup> -p-MOSV | OK     |                     |      | Himeji     |
| 2SK2615     | 60                   | 0.37                    | 2                  | POWER-MINI  | L <sup>2</sup> -p-MOSV | OK     |                     |      | Kaga       |
| 2SK2661     | 500                  | 1.5                     | 5                  | TO-220AB    | p-MOSV                 | OK     |                     |      | Toscom     |
| 2SK2662     | 500                  | 1.5                     | 5                  | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji/TST |
| 2SK2679     | 400                  | 1.2                     | 5.5                | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji/TST |
| 2SK2698     | 500                  | 0.4                     | 15                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji/TST |
| 2SK2699     | 600                  | 0.65                    | 12                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji/TST |
| 2SK2700     | 900                  | 4.3                     | 3                  | TO-220IS    | p-MOSIII               | OK     |                     |      | Himeji/TST |
| 2SK2717     | 900                  | 2.5                     | 5                  | TO-220IS    | p-MOSIII               | OK     |                     |      | Himeji     |
| 2SK2718     | 900                  | 6.4                     | 2.5                | TO-220IS    | p-MOSIII               | OK     |                     |      | Himeji/TST |
| 2SK2719     | 900                  | 4.3                     | 3                  | TO-3P(N)    | p-MOSIII               | OK     |                     |      | Himeji     |
| 2SK2733     | 900                  | 9                       | 1                  | TO-220AB    | p-MOSIII               | OK     |                     |      | Toscom     |
| 2SK2741     | 60                   | 0.16                    | 5                  | SP          | L <sup>2</sup> -p-MOSV | OK     |                     |      | Himeji     |
| 2SK2742     | 100                  | 0.35                    | 3                  | SP          | L2-p-MOSV              | OK     |                     |      | Himeji     |
| 2SK2744     | 50                   | 0.02                    | 45                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji     |
| 2SK2745     | 50                   | 0.0095                  | 50                 | TO-3P(N)    | L <sup>2</sup> -p-MOSV | OK     |                     |      | Himeji     |
| 2SK2746     | 800                  | 1.7                     | 7                  | TO-3P(N)    | p-MOSIII               | OK     |                     |      | Himeji     |
| 2SK2749     | 900                  | 2                       | 7                  | TO-3P(N)    | p-MOSIII               | OK     |                     |      | Himeji     |
| 2SK2750     | 600                  | 2.2                     | 3.5                | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji/TST |
| 2SK2776     | 500                  | 0.85                    | 8                  | TO-220FL/SM | p-MOSV                 | OK     |                     |      | Toscom     |
| 2SK2777     | 600                  | 1.25                    | 6                  | TO-220FL/SM | p-MOSV                 | OK     |                     |      | Toscom     |
| 2SK2782     | 60                   | 0.055                   | 20                 | DP          | L2-p-MOSV              | OK     |                     |      | Himeji     |

# Toshiba Power MOSFET List

Alphanumerically

| Part Number | V <sub>DSS</sub> (V) | R <sub>DS(ON)</sub> (Ω) | I <sub>D</sub> (A) | Package     | Generation             | Status | Toshiba Replacement | Note | Factory |
|-------------|----------------------|-------------------------|--------------------|-------------|------------------------|--------|---------------------|------|---------|
| 2SK2789     | 100                  | 0.085                   | 27                 | TO-220FL/SM | L <sup>2</sup> -p-MOSV | OK     |                     |      | Toscom  |
| 2SK2835     | 200                  | 0.8                     | 5                  | TPS         | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2836     | 600                  | 9                       | 1                  | SP          | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2837     | 500                  | 0.27                    | 20                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2838     | 400                  | 1.2                     | 5.5                | TO-220FL/SM | p-MOSV                 | OK     |                     |      | Toscom  |
| 2SK2839     | 30                   | 0.04                    | 10                 | SP          | L <sup>2</sup> -p-MOSV | OK     |                     |      | Himeji  |
| 2SK2840     | 250                  | 1                       | 4.5                | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2841     | 400                  | 0.55                    | 10                 | TO-220AB    | p-MOSV                 | OK     |                     |      | Toscom  |
| 2SK2842     | 500                  | 0.52                    | 12                 | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2843     | 600                  | 0.75                    | 10                 | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2844     | 30                   | 0.02                    | 35                 | TO-220AB    | L <sup>2</sup> -p-MOSV | OK     |                     |      | Toscom  |
| 2SK2845     | 900                  | 9                       | 1                  | DP          | p-MOSIII               | OK     |                     |      | Himeji  |
| 2SK2846     | 600                  | 5                       | 2                  | TPS         | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2847     | 900                  | 1.4                     | 8                  | TO-3P(N)IS  | p-MOSIII               | OK     |                     |      | Himeji  |
| 2SK2862     | 500                  | 3                       | 2                  | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2865     | 600                  | 5                       | 2                  | POWER MOLD  | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2866     | 600                  | 0.75                    | 10                 | TO-220AB    | p-MOSV                 | OK     |                     |      | Toscom  |
| 2SK2882     | 150                  | 0.12                    | 18                 | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2883     | 800                  | 3.6                     | 3                  | TO-220FL/SM | p-MOSIII               | OK     |                     |      | Toscom  |
| 2SK2884     | 800                  | 2.2                     | 5                  | TO-220FL/SM | p-MOSIII               | OK     |                     |      | Toscom  |
| 2SK2886     | 50                   | 0.02                    | 45                 | TO-220IS    | L <sup>2</sup> -p-MOSV | OK     |                     |      | Himeji  |
| 2SK2889     | 600                  | 0.75                    | 10                 | TO-220FL/SM | p-MOSV                 | OK     |                     |      | Toscom  |
| 2SK2914     | 250                  | 0.5                     | 8.5                | TO-220AB    | p-MOSV                 | OK     |                     |      | Toscom  |
| 2SK2915     | 600                  | 0.4                     | 16                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2916     | 500                  | 0.4                     | 14                 | TO-3P(N)IS  | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2917     | 500                  | 0.27                    | 18                 | TO-3P(N)IS  | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2920     | 200                  | 0.8                     | 5                  | POWER MOLD  | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2949     | 400                  | 0.55                    | 10                 | TO-220FL/SM | p-MOSV                 | OK     |                     |      | Toscom  |
| 2SK2952     | 400                  | 0.55                    | 8.5                | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2953     | 600                  | 0.4                     | 15                 | TO-3P(N)IS  | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2961     | 60                   | 0.27                    | 2                  | TO-92MOD    | L <sup>2</sup> -p-MOSV | OK     |                     |      | Kaga    |
| 2SK2962     | 100                  | 0.7                     | 1                  | TO-92MOD    | L <sup>2</sup> -p-MOSV | OK     |                     |      | Kaga    |
| 2SK2963     | 100                  | 0.7                     | 1                  | POWER-MINI  | L <sup>2</sup> -p-MOSV | OK     |                     |      | Kaga    |
| 2SK2964     | 30                   | 0.17                    | 2                  | POWER-MINI  | L <sup>2</sup> -p-MOSV | OK     |                     |      | Kaga    |
| 2SK2965     | 200                  | 0.26                    | 11                 | TO-220IS    | p-MOSV                 | 2Q/99  |                     |      | Himeji  |
| 2SK2966     | 250                  | 0.32                    | 10                 | TO-220IS    | p-MOSV                 | 2Q/99  |                     |      | Himeji  |
| 2SK2967     | 250                  | 0.07                    | 30                 | TO-3P(N)    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2968     | 900                  | 1.25                    | 10                 | TO-3P(N)    | p-MOSIII               | OK     |                     |      | Himeji  |
| 2SK2985     | 60                   | 0.0058                  | 45                 | TO-220IS    | U-MOS                  | OK     |                     |      | Himeji  |
| 2SK2986     | 60                   | 0.0058                  | 45                 | TO-220FL/SM | U-MOS                  | 2Q/99  |                     |      | Toscom  |
| 2SK2987     | 60                   | 0.0058                  | 70                 | TO-3P(N)    | U-MOS                  | OK     |                     |      | Himeji  |
| 2SK2989     | 50                   | 0.15                    | 5                  | LSTM        | L2-p-MOSVI             | OK     |                     |      | Kaga    |
| 2SK2991     | 500                  | 1.5                     | 5                  | TO-220FL/SM | p-MOSV                 | OK     |                     |      | Toscom  |
| 2SK2992     | 200                  | 3.5                     | 1                  | POWER-MINI  | p-MOSV                 | OK     |                     |      | Kaga    |
| 2SK2993     | 250                  | 0.11                    | 20                 | TO-220FL/SM | p-MOSV                 | OK     |                     |      | Toscom  |
| 2SK2995     | 250                  | 0.07                    | 30                 | TO-3P(N)IS  | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2996     | 600                  | 1                       | 10                 | TO-220IS    | p-MOSV                 | OK     |                     |      | Himeji  |
| 2SK2997     | 800                  | 8                       | 1.5                | DP          | p-MOSIII               | 2Q/99  |                     |      | Himeji  |
| 2SK2998     | 500                  | 18                      | 0.5                | TO-92MOD    | p-MOSV                 | OK     |                     |      | Kaga    |

# Toshiba Power MOSFET List

Alphanumerically

| Part Number | V <sub>DSS</sub> (V) | R <sub>DS(ON)</sub> (Ω) | I <sub>D</sub> (A) | Package       | Generation              | Status | Toshiba Replacement | Note | Factory    |
|-------------|----------------------|-------------------------|--------------------|---------------|-------------------------|--------|---------------------|------|------------|
| 2SK3017     | 900                  | 1.25                    | 8                  | TO-3P(N)IS    | p-MOSIII                | OK     |                     |      | Himeji     |
| 2SK3051     | 50                   | 0.03                    | 45                 | TO-220FL/SM   | p-MOSV                  | OK     |                     |      | Toscom     |
| 2SK3067     | 600                  | 5                       | 2                  | TO-220IS      | p-MOSV                  | OK     |                     |      | Himeji     |
| 2SK3068     | 500                  | 0.52                    | 12                 | TO-220FL/SM   | p-MOSV                  | OK     |                     |      | Toscom     |
| 2SK3085     | 600                  | 2.2                     | 3.5                | TO-220AB      | p-MOSV                  | OK     |                     |      | Himeji     |
| 2SK3088     | 900                  | 4.3                     | 3                  | TO-220FL/SM   | p-MOSIII                | 2Q/99  |                     |      | Toscom     |
| 2SK3089     | 30                   | 0.03                    | 40                 | TO-220FL/SM   | p-MOSVI                 | OK     |                     |      | Toscom     |
| 2SK3090     | 30                   | 0.02                    | 45                 | TO-220FL/SM   | p-MOSVI                 | OK     |                     |      | Toscom     |
| 2SK3117     | 500                  | 0.27                    | 20                 | TO-3P(SM)     | p-MOSV                  | OK     |                     |      | Himeji     |
| 2SK3125     | 30                   | 0.007                   | 60                 | TO-3P(SM)     | p-MOSVI                 | 2Q/99  |                     |      | Himeji     |
| 2SK3126     | 450                  | 0.65                    | 10                 | TO-220NIS     | p-MOSV                  | OK     |                     |      | Himeji     |
| 2SK3127     | 30                   | 0.011                   | 45                 | TO-220FL/SM   | p-MOSVI                 | OK     |                     |      | Toscom     |
| 2SK3128     | 30                   | 0.011                   | 60                 | TO-3P(N)      | p-MOSVI                 | OK     |                     |      | Himeji     |
| 2SK3129     | 50                   | 0.007                   | 60                 | TO-3P(N)      | L <sup>2</sup> -p-MOSVI | 2Q/99  |                     |      | Himeji     |
| 2SK3130     | 500                  | 1.5                     | 6                  | TO-220IS      | p-MOSV                  | 2Q/99  |                     |      | Himeji     |
| 2SK3131     | 500                  | 0.14                    | 50                 | TO-3P(L)      | p-MOSV                  | 1Q/99  |                     |      | Himeji     |
| 2SK3132     | 500                  | 0.11                    | 50                 | TO-3P(L)      | p-MOSV                  | 1Q/99  |                     |      | Himeji     |
| 2SK3144     | 650                  | 0.85                    | 10                 | TO-220IS      | p-MOSV                  | 2Q/99  |                     |      | Himeji     |
| 2SK3176     | 200                  | 0.052                   | 30                 | TO-3P(N)      | p-MOSV                  | OK     |                     |      | Himeji     |
| 2SK3195     | 250                  | 0.13                    | 20                 | TO-220FL/SM   | p-MOSV                  | 2Q/99  |                     |      | Toscom     |
| 2SK3201     | 200                  | 0.56                    | 5                  | TO-220FL/SM   | p-MOSV                  | 2Q/99  |                     |      | Toscom     |
| 2SK3205     | 150                  | 0.52                    | 5                  | PW-MOLD       | p-MOSV                  | 1Q/99  |                     |      | Himeji     |
| 2SK3265     | 700                  | 1                       | 10                 | TO-220IS      | p-MOSV                  | 2Q/99  |                     |      | Himeji     |
| TPC8001     | 30                   | 0.02                    | 8                  | SOP-8(Single) | L <sup>2</sup> -p-MOSVI | OK     |                     |      | Himeji     |
| TPC8002     | 30                   | 0.014                   | 11                 | SOP-8(Single) | L <sup>2</sup> -p-MOSVI | OK     |                     |      | Himeji     |
| TPC8003     | 30                   | 0.007                   | 13                 | SOP-8(Single) | U-MOS                   | OK     |                     |      | Himeji     |
| TPC8004     | 30                   | 0.05                    | 5                  | SOP-8(Single) | L <sup>2</sup> -p-MOSVI | OK     |                     |      | Himeji     |
| TPC8005-H   | 30                   | 0.017                   | 11                 | SOP-8(Single) | U-MOS                   | OK     |                     |      | Himeji     |
| TPC8102     | -30                  | 0.04                    | -6                 | SOP-8(Single) | L <sup>2</sup> -p-MOSVI | OK     |                     |      | Himeji     |
| TPC8103     | -30                  | 0.013                   | -11                | SOP-8(Single) | U-MOS                   | OK     |                     |      | Himeji     |
| TPC8201     | 30                   | 0.05                    | 5                  | SOP-8(Dual)   | L <sup>2</sup> -p-MOSVI | OK     |                     |      | Himeji     |
| TPC8202     | 20                   | 0.05                    | 5                  | SOP-8(Dual)   | L <sup>2</sup> -p-MOSVI | OK     |                     |      | Himeji     |
| TPC8203     | 30                   | 0.021                   | 6                  | SOP-8(Dual)   | U-MOS                   | OK     |                     |      | Himeji     |
| TPC8301     | -30                  | 0.115                   | -3.5               | SOP-8(Dual)   | L <sup>2</sup> -p-MOSVI | OK     |                     |      | Himeji     |
| TPC8302     | -20                  | 0.12                    | -3.5               | SOP-8(Dual)   | L <sup>2</sup> -p-MOSVI | OK     |                     |      | Himeji     |
| TPCS8201    | 20                   | 0.03                    | 3                  | TSSOP-8(Dual) | U-MOS                   | OK     |                     |      | Himeji     |
| YTA630      | 200                  | 0.4                     | 10                 | TO-220AB      | p-MOSV                  | OK     |                     |      | Toscom     |
| YTA640      | 200                  | 0.18                    | 15                 | TO-220AB      | p-MOSV                  | OK     |                     |      | Toscom     |
| YTA830      | 500                  | 1.5                     | 5                  | TO-220AB      | p-MOSV                  | OK     |                     |      | Toscom     |
| YTA840      | 500                  | 0.85                    | 8                  | TO-220AB      | p-MOSV                  | OK     |                     |      | Toscom     |
| YTAF620     | 200                  | 0.8                     | 5                  | TO-220IS      | p-MOSV                  | OK     |                     |      | Himeji     |
| YTAF630     | 200                  | 0.4                     | 10                 | TO-220IS      | p-MOSV                  | OK     |                     |      | Himeji/TST |
| YTAF640     | 200                  | 0.18                    | 15                 | TO-220IS      | p-MOSV                  | OK     |                     |      | Himeji/TST |