

## POWER MOS

| $V_{(BR) DSS}$<br>(V) | $R_{DS(on)}$<br>max<br>( $\Omega$ ) | @<br>$I_D$<br>(A) | Package     | Type         | $I_D$<br>max<br>(A) | $P_{tot}$<br>(W) | $g_{fs}$<br>min<br>(mho) | $C_{iss}$<br>max<br>(pF) |
|-----------------------|-------------------------------------|-------------------|-------------|--------------|---------------------|------------------|--------------------------|--------------------------|
| 450                   | 1.5                                 | 2.5               | TO 220      | IRF831       | 4.5                 | 74               | 2.7                      | 800                      |
| 450                   | 1.5                                 | 2.5               | ISOWATT 220 | IRF831FI     | 3                   | 35               | 2.7                      | 800                      |
| 450                   | 1.5                                 | 2.5               | TO 220      | SGSP364      | 5                   | 100              | 3                        | 1000                     |
| 450                   | 1.1                                 | 4.4               | TO 220      | IRF843       | 7                   | 125              | 4.9                      | 1600                     |
| 450                   | 1.1                                 | 4.4               | ISOWATT 220 | IRF843FI     | 4                   | 40               | 4.9                      | 1600                     |
| 450                   | 0.85                                | 4.4               | TO 220      | IRF841       | 8                   | 125              | 4.9                      | 1600                     |
| 450                   | 0.85                                | 4.4               | ISOWATT 220 | IRF841FI     | 4.5                 | 40               | 4.9                      | 1600                     |
| 450                   | 0.7                                 | 4.5               | TO 218      | SGSP474      | 9                   | 150              | 6*                       | 2100                     |
| 450                   | 0.7                                 | 4.5               | TO 3        | SGSP574      | 9                   | 150              | 6                        | 2100                     |
| 450                   | 0.5                                 | 7                 | TO 3        | IRF453       | 11                  | 150              | 8.7                      | 3000                     |
| 450                   | 0.5                                 | 7.9               | TO 218      | IRFP453      | 12                  | 180              | 9.3                      | 3000                     |
| 450                   | 0.5                                 | 7.9               | ISOWATT 218 | IRFP453FI    | 8                   | 70               | 9.3                      | 3000                     |
| 450                   | 0.4                                 | 7.2               | TO 3        | IRF451       | 13                  | 150              | 8.7                      | 3000                     |
| 450                   | 0.4                                 | 7.9               | TO 218      | IRFP451      | 14                  | 180              | 9.3                      | 3000                     |
| 450                   | 0.4                                 | 7.9               | ISOWATT 218 | IRFP451FI    | 9                   | 70               | 9.3                      | 3000                     |
| 450                   | 0.1                                 | 28                | ISOTOP      | TSD4M451V    | 45                  | 500              | 28                       | 12000                    |
| 500                   | 8.5                                 | 0.6               | SOT 82      | SGSP239*     | 1.2                 | 40               | 0.65                     | 300                      |
| 500                   | 4                                   | 1.2               | TO 220      | BUZ74A       | 2                   | 40               | 0.8                      | 500                      |
| 500                   | 4                                   | 1.4               | TO 220      | IRF822       | 2.2                 | 50               | 1                        | 400                      |
| 500                   | 4                                   | 1.4               | ISOWATT 220 | IRF822FI     | 1.5                 | 30               | 1                        | 400                      |
| 500                   | 3.8                                 | 1.4               | TO 220      | SGSP319      | 2.8                 | 75               | 0.8                      | 380                      |
| 500                   | 3                                   | 1.2               | TO 220      | BUZ74        | 2.4                 | 40               | 0.8                      | 500                      |
| 500                   | 3                                   | 1.4               | TO 220      | IRF820       | 2.5                 | 50               | 1                        | 400                      |
| 500                   | 3                                   | 1.4               | ISOWATT 220 | IRF820FI     | 2                   | 30               | 1                        | 400                      |
| 500                   | 2                                   | 2.5               | TO 220      | BUZ42        | 4                   | 75               | 1.5                      | 2000                     |
| 500                   | 2                                   | 2.5               | TO 220      | IRF832       | 4                   | 74               | 2.7                      | 800                      |
| 500                   | 2                                   | 2.5               | ISOWATT 220 | IRF832FI     | 2.5                 | 35               | 2.7                      | 800                      |
| 500                   | 1.5                                 | 2.5               | TO 220      | BUZ41A       | 4.5                 | 75               | 1.5                      | 2000                     |
| 500                   | 1.5                                 | 2.5               | TO 220      | IRF830       | 4.5                 | 74               | 2.7                      | 800                      |
| 500                   | 1.5                                 | 2.5               | ISOWATT 220 | IRF830FI     | 3                   | 35               | 2.7                      | 800                      |
| 500                   | 1.5                                 | 2.5               | TO 220      | SGSP369      | 5                   | 100              | 3                        | 1000                     |
| 500                   | 1.1                                 | 4.4               | TO 220      | IRF842       | 7                   | 125              | 4.9                      | 1600                     |
| 500                   | 1.1                                 | 4.4               | ISOWATT 220 | IRF842FI     | 4                   | 40               | 4.9*                     | 1600                     |
| 500                   | 0.85                                | 4.4               | TO 220      | IRF 840      | 8                   | 125              | 4.9                      | 1600                     |
| 500                   | 0.85                                | 4.4               | ISOWATT 220 | IRF840FI     | 4.5                 | 40               | 4.9                      | 1600                     |
| 500                   | 0.8                                 | 5.5               | TO 218      | BUZ354       | 8                   | 125              | 2.7                      | 4900                     |
| 500                   | 0.8                                 | 5                 | TO 3        | BUZ45A       | 8.3                 | 125              | 2.7                      | 4900                     |
| 500                   | 0.7                                 | 4.5               | TO 218      | SGSP479      | 9                   | 150              | 5                        | 1900                     |
| 500                   | 0.7                                 | 4.5               | TO 3        | SGSP579      | 9                   | 150              | 5                        | 1900                     |
| 500                   | 0.6                                 | 5.5               | TO 218      | BUZ353       | 9.5                 | 125              | 2.7                      | 4900                     |
| 500                   | 0.6                                 | 5                 | TO 3        | BUZ45        | 9.6                 | 125              | 2.7                      | 4900                     |
| 500                   | 0.5                                 | 7.2               | TO 3        | IRF452       | 11                  | 150              | 8.7                      | 3000                     |
| 500                   | 0.5                                 | 7.9               | TO 218      | IRFP452      | 12                  | 180              | 9.3                      | 3000                     |
| 500                   | 0.5                                 | 7.9               | ISOWATT 218 | IRFP452FI    | 8                   | 70               | 9.3                      | 3000                     |
| 500                   | 0.4                                 | 7.2               | TO 3        | IRF450       | 13                  | 150              | 8.7                      | 3000                     |
| 500                   | 0.4                                 | 7.9               | TO 218      | IRFP450      | 14                  | 180              | 9.3                      | 3000                     |
| 500                   | 0.4                                 | 7.9               | ISOWATT 218 | IRFP450FI    | 9                   | 70               | 9.3                      | 3000                     |
| 500                   | 0.2                                 | 15                | TO 240      | SGS30MA050D1 | 30                  | 400              | 15                       | 9100                     |
| 500                   | 0.16                                | 17.5              | TO 240      | SGS35MA050D1 | 35                  | 400              | 15                       | 12000                    |
| 500                   | 0.1                                 | 28                | ISOTOP      | TSD4M450V    | 45                  | 500              | 28                       | 12000                    |
| 600                   | 2.5                                 | 1.5               | TO 220      | MTP3N60      | 3                   | 75               | 1.5                      | 1000                     |
| 600                   | 2.5                                 | 1.5               | ISOWATT 220 | MTP3N60FI    | 2.5                 | 35               | 1.5                      | 1000                     |
| 600                   | 1.2                                 | 3                 | ISOWATT 218 | MTH6N60FI    | 3.5                 | 40               | 2                        | 1800                     |
| 600                   | 1.2                                 | 3                 | TO 220      | MTP6N60      | 6                   | 125              | 2                        | 1800                     |
| 800                   | 2                                   | 2                 | TO 218      | STHV82       | 5.5                 | 125              | 2                        | 1000                     |
| 1000                  | 3.5                                 | 2                 | TO 218      | STHV102      | 4.2                 | 125              | 2                        | 1200                     |
| 1000                  | 0.7                                 | 9                 | ISOTOP      | TSD5MG40V    | 17                  | 500              | 5                        | 6000                     |

\* Also available in SOT 194 package for SMD.

## HIMOS (IGBT)

| $V_{(BR) DSS}$<br>(V) | $V_{DS(on)}$<br>max<br>( $\Omega$ ) | @<br>$I_D$<br>(A) | Package     | Type        | $I_D$<br>max<br>(A) | $P_{tot}$<br>(W) | $g_{fs}$<br>min<br>(mho) | $C_{iss}$<br>max<br>(pF) |
|-----------------------|-------------------------------------|-------------------|-------------|-------------|---------------------|------------------|--------------------------|--------------------------|
| 500                   | 2.7                                 | 7                 | TO 220      | STHI07N50FI | 7                   | 100              | 2.5                      | 950                      |
| 500                   | 2.7                                 | 7                 | ISOWATT 220 | STHI07N50   | 7                   | 35               | 2.5                      | 950                      |
| 500                   | 2.7                                 | 10                | TO 220      | STHI10N50   | 10                  | 100              | 2.5                      | 950                      |
| 500                   | 2.7                                 | 10                | ISOWATT 220 | STHI10N50FI | 10                  | 35               | 2.5                      | 950                      |