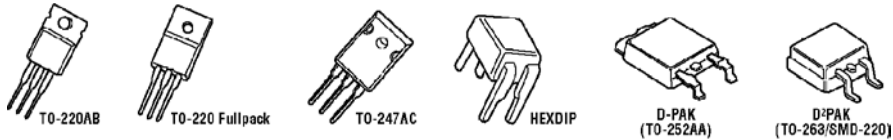


MOSFETs (Continued)



| HEXFET™ Power MOSFETs — TO-220AB (continued) |                          |                         |                           |                    |
|----------------------------------------------|--------------------------|-------------------------|---------------------------|--------------------|
| N-Channel (continued)                        |                          |                         |                           |                    |
| Mfr.'s Type                                  | V(BR) <sub>oss</sub> (V) | R <sub>DS(on)</sub> (Ω) | I <sub>D</sub> @ 25°C (A) | P <sub>D</sub> (W) |
| IRFZ24N*                                     | 55                       | 0.0700                  | 17.00                     | 45.00              |
| IRF1010E*                                    | 60                       | 0.0140                  | 81.00                     | 170.00             |
| IRFZ44E*                                     | 60                       | 0.0260                  | 48.00                     | 110.00             |
| IRFZ34E*                                     | 60                       | 0.0400                  | 28.00                     | 68.00              |
| IRFZ14*                                      | 60                       | 0.2000                  | 10.00                     | 43.00              |
| IRF2807*                                     | 75                       | 0.0130                  | 71.00                     | 150.00             |
| IRF3710*                                     | 100                      | 0.0280                  | 46.00                     | 150.00             |
| IRF1310N*                                    | 100                      | 0.0360                  | 36.00                     | 120.00             |
| IRF540N*                                     | 100                      | 0.0520                  | 27.00                     | 94.00              |
| IRF530N*                                     | 100                      | 0.1100                  | 15.00                     | 60.00              |
| IRF520N*                                     | 100                      | 0.2000                  | 9.50                      | 47.00              |
| IRF510*                                      | 100                      | 0.5400                  | 5.60                      | 43.00              |
| IRF3415*                                     | 150                      | 0.0420                  | 37.00                     | 150.00             |
| IRF640N                                      | 200                      | 0.1800                  | 18.00                     | 125.00             |
| IRF630NS                                     | 200                      | 0.4000                  | 9.00                      | 74.00              |
| IRF620*                                      | 200                      | 0.8000                  | 5.20                      | 50.00              |
| IRF610*                                      | 200                      | 1.5000                  | 3.30                      | 36.00              |
| IRF644*                                      | 250                      | 0.2800                  | 14.00                     | 125.00             |
| IRF624*                                      | 250                      | 1.1000                  | 4.40                      | 50.00              |
| IRF614*                                      | 250                      | 2.0000                  | 2.70                      | 36.00              |
| IRF740*                                      | 400                      | 0.5500                  | 10.00                     | 125.00             |
| IRF730*                                      | 400                      | 1.0000                  | 5.50                      | 74.00              |
| IRF720*                                      | 400                      | 1.8000                  | 3.30                      | 50.00              |
| IRF710*                                      | 400                      | 3.6000                  | 2.00                      | 36.00              |
| IRF744*                                      | 450                      | 0.6300                  | 8.00                      | 125.00             |
| IRF840*                                      | 500                      | 0.8500                  | 8.00                      | 125.00             |
| IRF830*                                      | 500                      | 1.5000                  | 4.50                      | 74.00              |
| IRF820*                                      | 500                      | 3.0000                  | 2.50                      | 50.00              |
| IRFB9N60A†                                   | 600                      | 0.7500                  | 9.20                      | 170.00             |
| IRFBC40*                                     | 600                      | 1.2000                  | 6.20                      | 125.00             |
| IRFB30*                                      | 600                      | 2.2000                  | 3.60                      | 74.00              |
| IRFB30*                                      | 800                      | 3.0000                  | 4.10                      | 125.00             |
| IRFB30*                                      | 900                      | 3.7000                  | 3.60                      | 125.00             |
| IRFBF20*                                     | 900                      | 8.0000                  | 1.70                      | 54.00              |
| IRFBG30*                                     | 1000                     | 5.0000                  | 3.10                      | 125.00             |
| IRFBG20*                                     | 1000                     | 11.0000                 | 1.40                      | 54.00              |

| Logic Level N-Channel |     |        |        |        |
|-----------------------|-----|--------|--------|--------|
| IRL3102*              | 20  | 0.0130 | 61.00  | 89.00  |
| IRL3202*              | 20  | 0.0160 | 48.00  | 69.00  |
| IRL3302*              | 20  | 0.0200 | 39.00  | 57.00  |
| IRL3803*              | 30  | 0.0060 | 120.00 | 150.00 |
| IRL2203N*             | 30  | 0.0070 | 100.00 | 130.00 |
| IRL3103*              | 30  | 0.0140 | 56.00  | 83.00  |
| IRL3303*              | 30  | 0.0260 | 34.00  | 56.00  |
| IRL3705N*             | 55  | 0.0100 | 77.00  | 130.00 |
| IRLZ44N*              | 55  | 0.0220 | 41.00  | 83.00  |
| IRLZ34N*              | 55  | 0.0350 | 27.00  | 56.00  |
| IRLZ24N*              | 55  | 0.0600 | 18.00  | 45.00  |
| IRLZ14*               | 60  | 0.2000 | 10.00  | 43.00  |
| IRL2910*              | 100 | 0.0260 | 48.00  | 150.00 |
| IRL540*               | 100 | 0.0770 | 28.00  | 150.00 |
| IRL530N*              | 100 | 0.1000 | 15.00  | 63.00  |
| IRL520*               | 100 | 0.2700 | 9.20   | 60.00  |
| IRL510*               | 100 | 0.5400 | 5.60   | 43.00  |
| IRL640*               | 200 | 0.1800 | 17.00  | 125.00 |
| IRL630*               | 200 | 0.4000 | 9.00   | 74.00  |

| P-Channel |      |        |        |        |
|-----------|------|--------|--------|--------|
| IRF4905*  | –55  | 0.0200 | –64.00 | 150.00 |
| IRF9Z34N* | –60  | 0.1400 | –18.00 | 88.00  |
| IRF9Z14*  | –60  | 0.5000 | –6.70  | 43.00  |
| IRF5210*  | –100 | 0.0600 | –35.00 | 150.00 |
| IRF9540N* | –100 | 0.2000 | –19.00 | 150.00 |
| IRF9630N* | –100 | 0.3000 | –12.00 | 88.00  |
| IRF9520*  | –100 | 0.6000 | –6.80  | 60.00  |
| IRF9510*  | –100 | 1.2000 | –4.00  | 43.00  |
| IRF6215*  | –150 | 0.2900 | –11.00 | 83.00  |
| IRF9640*  | –200 | 0.5000 | –11.00 | 125.00 |
| IRF9630*  | –200 | 0.8000 | –6.50  | 74.00  |
| IRF9620*  | –200 | 1.5000 | –2.50  | 40.00  |
| IRF9610*  | –200 | 3.0000 | –1.80  | 20.00  |

| Low Charge N-Channel |     |        |       |        |
|----------------------|-----|--------|-------|--------|
| IRF740A*             | 400 | 0.6000 | 10.00 | 125.00 |
| IRF730A*             | 400 | 1.0000 | 5.50  | 74.00  |
| IRF840A*             | 500 | 0.8500 | 8.00  | 125.00 |
| IRF830A*             | 500 | 1.4000 | 4.50  | 74.00  |
| IRFBC40A*            | 600 | 1.2000 | 6.20  | 125.00 |
| IRFBC30A*            | 600 | 2.2000 | 3.60  | 74.00  |

| HEXFET™ Power MOSFETs — Fully Isolated TO-220 Fullpak N-Channel |    |        |       |       |
|-----------------------------------------------------------------|----|--------|-------|-------|
| IRF11010N                                                       | 55 | 0.0120 | 44.00 | 47.00 |
| IRFIZ48N                                                        | 55 | 0.0160 | 36.00 | 42.00 |
| IRFIZ46N                                                        | 55 | 0.0200 | 31.00 | 40.00 |
| IRFIZ44N                                                        | 55 | 0.0240 | 28.00 | 38.00 |
| IRFIZ34N                                                        | 55 | 0.0400 | 19.00 | 31.00 |

| HEXFET™ Power MOSFETs — Fully Isolated TO-220 Fullpak (cont.) N-Channel (continued) |     |        |       |       |
|-------------------------------------------------------------------------------------|-----|--------|-------|-------|
| IRFIZ24N                                                                            | 55  | 0.0700 | 13.00 | 26.00 |
| IRFI1310N                                                                           | 100 | 0.0360 | 22.00 | 45.00 |
| IRFI540N                                                                            | 100 | 0.0520 | 18.00 | 42.00 |
| IRFI530N                                                                            | 100 | 0.1100 | 11.00 | 33.00 |
| IRFI520N                                                                            | 100 | 0.2000 | 7.20  | 27.00 |
| IRFI640G                                                                            | 200 | 0.1800 | 9.80  | 40.00 |
| IRFI630G                                                                            | 200 | 0.4000 | 5.90  | 32.00 |
| IRFI614G                                                                            | 250 | 2.0000 | 2.10  | 23.00 |
| IRFI740G                                                                            | 400 | 0.5500 | 5.40  | 40.00 |
| IRFI720G                                                                            | 400 | 1.8000 | 2.60  | 30.00 |
| IRFI840G                                                                            | 500 | 0.8500 | 4.60  | 40.00 |
| IRFI820G                                                                            | 500 | 3.0000 | 2.10  | 30.00 |
| IRFIBC20G                                                                           | 600 | 4.4000 | 1.70  | 30.00 |
| IRFIBE30G                                                                           | 800 | 3.0000 | 2.10  | 35.00 |
| IRFIBE20G                                                                           | 800 | 6.5000 | 1.40  | 30.00 |

| Logic Level N-Channel |     |        |       |       |
|-----------------------|-----|--------|-------|-------|
| IRLI2505              | 55  | 0.0080 | 58.00 | 63.00 |
| IRLI244N              | 55  | 0.0220 | 28.00 | 38.00 |
| IRLI234N              | 55  | 0.0350 | 20.00 | 31.00 |
| IRLI520G              | 100 | 0.2700 | 7.20  | 37.00 |
| IRLI640G              | 200 | 0.1800 | 9.80  | 40.00 |
| IRLI630G              | 200 | 0.4000 | 5.90  | 32.00 |
| IRLI620G              | 200 | 0.8000 | 4.10  | 30.00 |

| P-Channel |      |        |        |       |
|-----------|------|--------|--------|-------|
| IRFI9Z34G | –60  | 0.1000 | 19.00  | 68.00 |
| IRFI9540G | –100 | 0.1170 | –23.00 | 3.80  |
| IRFI9630G | –200 | 0.8000 | –4.30  | 40.00 |
| IRFI9620G | –200 | 1.5000 | –3.00  | 30.00 |

| Logic Level P-Channel |      |        |       |       |
|-----------------------|------|--------|-------|-------|
| IRFI9Z24G             | –60  | 0.2850 | –8.50 | 37.00 |
| IRFI9Z14G             | –60  | 0.5000 | –5.30 | 27.00 |
| IRFI9530G             | –100 | 0.0300 | –7.70 | 38.00 |

| HEXFET™ Power MOSFETs — TO-247 N-Channel |     |        |       |        |
|------------------------------------------|-----|--------|-------|--------|
| IRFP260N                                 | 200 | 0.0400 | 49.00 | 300.00 |
| IRFP250N                                 | 200 | 0.0750 | 30.00 | 214.00 |
| IRFP460A                                 | 500 | 0.2700 | 20.00 | 280.00 |
| IRFP450A                                 | 500 | 0.4000 | 14.00 | 190.00 |
| IRFPC50A                                 | 600 | 0.5800 | 11.00 | 180.00 |

| P-Channel |      |        |        |        |
|-----------|------|--------|--------|--------|
| IRFP9140N | –100 | 0.1170 | –21.00 | 120.00 |

| HEXFET™ Power MOSFETs — TO-247AC N-Channel |      |        |       |        |
|--------------------------------------------|------|--------|-------|--------|
| IRFP064N                                   | 55   | 0.0080 | 98.00 | 150.00 |
| IRFP054N                                   | 55   | 0.0120 | 72.00 | 130.00 |
| IRFP048N                                   | 55   | 0.0160 | 62.00 | 130.00 |
| IRFP044N                                   | 55   | 0.0200 | 49.00 | 100.00 |
| IRFP3710                                   | 100  | 0.0280 | 51.00 | 180.00 |
| IRFP140N                                   | 100  | 0.0520 | 27.00 | 94.00  |
| IRFP150N                                   | 100  | 0.0550 | 41.00 | 230.00 |
| IRFP260N                                   | 200  | 0.0550 | 46.00 | 280.00 |
| IRFP250N                                   | 200  | 0.0850 | 30.00 | 190.00 |
| IRFP240                                    | 200  | 0.1800 | 20.00 | 150.00 |
| IRFP264                                    | 250  | 0.0750 | 38.00 | 280.00 |
| IRFP254                                    | 250  | 0.1400 | 23.00 | 190.00 |
| IRFP350                                    | 400  | 0.3000 | 16.00 | 190.00 |
| IRFP22N50A                                 | 500  | 0.2300 | 22.00 | 277.00 |
| IRFP460                                    | 500  | 0.2700 | 20.00 | 280.00 |
| IRFP450                                    | 500  | 0.4000 | 14.00 | 190.00 |
| IRFP448                                    | 500  | 0.6000 | 11.00 | 180.00 |
| IRFP440                                    | 500  | 0.8500 | 8.80  | 150.00 |
| IRFPC60                                    | 600  | 0.4000 | 16.00 | 280.00 |
| IRFPC50                                    | 600  | 0.6000 | 11.00 | 180.00 |
| IRFPC30                                    | 600  | 2.2000 | 4.30  | 100.00 |
| IRFPE50                                    | 800  | 1.2000 | 7.80  | 190.00 |
| IRFPE40                                    | 800  | 2.0000 | 5.40  | 150.00 |
| IRFPF50                                    | 900  | 1.6000 | 6.70  | 190.00 |
| IRFPF40                                    | 900  | 2.5000 | 4.70  | 150.00 |
| IRFPG50                                    | 1000 | 2.0000 | 6.10  | 190.00 |
| IRFPG40                                    | 1000 | 3.5000 | 4.30  | 150.00 |

| P-Channel |      |        |        |        |
|-----------|------|--------|--------|--------|
| IRFP9140  | –100 | 0.2000 | –21.00 | 180.00 |
| IRFP9240  | –200 | 0.5000 | –12.00 | 150.00 |

| HEXFET™ Power MOSFETs — HEXDIP N-Channel |     |        |      |      |
|------------------------------------------|-----|--------|------|------|
| IRFD024                                  | 60  | 0.1000 | 2.50 | 1.30 |
| IRFD014                                  | 60  | 0.2000 | 1.70 | 1.30 |
| IRFD120                                  | 100 | 0.2700 | 1.30 | 1.30 |
| IRFD110                                  | 100 | 0.5400 | 1.00 | 1.30 |
| IRFD220                                  | 200 | 0.8000 | 0.80 | 1.30 |
| IRFD210                                  | 200 | 1.5000 | 0.60 | 1.30 |
| IRFD214                                  | 250 | 2.0000 | 0.57 | 1.30 |
| IRFD310                                  | 400 | 3.6000 | 0.42 | 1.30 |
| IRFD420                                  | 500 | 3.0000 | 0.46 | 1.30 |
| IRFDC20                                  | 600 | 4.4000 | 0.32 | 1.30 |

| Logic Level N-Channel |     |        |      |      |
|-----------------------|-----|--------|------|------|
| IRLD024               | 60  | 0.1000 | 2.50 | 1.30 |
| IRLD014               | 60  | 0.2000 | 1.70 | 1.30 |
| IRLD120               | 100 | 0.2700 | 1.30 | 1.30 |
| IRLD110               | 100 | 0.5400 | 1.00 | 1.30 |

| P-Channel |      |        |       |      |
|-----------|------|--------|-------|------|
| IRFD9024  | –60  | 0.2800 | –1.60 | 1.30 |
| IRFD9014  | –60  | 0.5000 | –1.10 | 1.30 |
| IRFD9120  | –100 | 0.6000 | –1.00 | 1.30 |
| IRFD9110  | –100 | 1.2000 | –0.70 | 1.30 |
| IRFD9220  | –200 | 1.5000 | –0.56 | 1.30 |
| IRFD9210  | –200 | 3.0000 | –0.40 | 1.30 |

**HEXFET™ Power MOSFETs — D-PAK**  
Also available in TO-251AA thru-hole equivalent, substitute "U" for "R" in Mfr.'s Type number (example: IRFR024N becomes IRFU024N).

| N-Channel |     |        |       |       |
|-----------|-----|--------|-------|-------|
| IRFR4105  | 55  | 0.0450 | 25.00 | 48.00 |
| IRFU4105  | 55  | 0.0450 | 25.00 | 48.00 |
| IRFR024N  | 55  | 0.0750 | 16.00 | 38.00 |
| IRFU024N  | 55  | 0.0750 | 16.00 | 38.00 |
| IRFR014   | 60  | 0.2000 | 7.70  | 25.00 |
| IRFR120N  | 100 | 0.2100 | 9.10  | 39.00 |
| IRFU120N  | 100 | 0.2100 | 9.10  | 39.00 |
| IRFR220N  | 200 | 0.8000 | 4.80  | 42.00 |
| IRFU220N  | 200 | 0.8000 | 4.80  | 1.30  |
| IRFR210   | 200 | 1.5000 | 2.60  | 25.00 |
| IRFU210   | 200 | 1.5000 | 2.60  | 25.00 |
| IRFR214   | 250 | 2.0000 | 2.20  | 25.00 |
| IRFR320   | 400 | 1.8000 | 3.10  | 42.00 |
| IRFU320   | 400 | 1.8000 | 3.10  | 42.00 |
| IRFR310   | 400 | 3.6000 | 1.70  | 25.00 |
| IRFR420   | 500 | 3.0000 | 2.40  | 42.00 |
| IRFU420   | 500 | 3.0000 | 2.40  | 42.00 |
| IRFR1N60A | 600 | 7.0000 | 1.40  | 36.00 |

| P-Channel |      |        |        |       |
|-----------|------|--------|--------|-------|
| IRFR5305  | –55  | 0.0650 | –28.00 | 89.00 |
| IRFU5305  | –55  | 0.0650 | –28.00 | 89.00 |
| IRFR5505  | –55  | 0.1100 | –18.00 | 57.00 |
| IRFU5505  | –55  | 0.1100 | –18.00 | 57.00 |
| IRFU9024N | –55  | 0.1750 | –11.00 | 38.00 |
| IRFR9024  | –60  | 0.2800 | –8.80  | 42.00 |
| IRFU9014  | –60  | 0.5000 | –5.10  | 25.00 |
| IRFR9120N | –100 | 0.4800 | –6.50  | 39.00 |
| IRFU9120  | –100 | 0.4800 | –6.50  | 39.00 |
| IRFR9120  | –100 | 0.6000 | –5.60  | 42.00 |
| IRFR9220  | –200 | 1.5000 | –3.60  | 42.00 |