

|                  |             |             |   |     |            |  |
|------------------|-------------|-------------|---|-----|------------|--|
| IRF 247          | Inr         | MOS-N-FET-e | =IRF 245: 275/20V                                     | 23a | TO-3       | BUZ 323, 2SK559...560, 2SK868, 2SK1401     |
| IRF 250          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 30/120A, 150W, <85mΩ(16A), <210/220ns  | 23a | TO-3       | BUZ 341, 2N6766, 2SK851, 2SK902, 2SK1492   |
| IRF 251          | Inr,Sam++   | MOS-N-FET-e | =IRF 250: 150/20V                                     | 23a | TO-3       | BUZ 341, 2N6766, 2SK851, 2SK902, 2SK1492   |
| IRF 252          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 25/100A, 150W, <0,12Ω(16A), <210/220ns | 23a | TO-3       | BUZ 341, 2N6766, 2SK851, 2SK902, 2SK1492   |
| IRF 253          | Inr,Sam++   | MOS-N-FET-e | =IRF 250: 150/20V                                     | 23a | TO-3       | BUZ 341, 2N6766, 2SK851, 2SK902, 2SK1492   |
| IRF 254          | Inr,Sam     | MOS-N-FET-e | VFET, 250/20V, 22/88A, 150W, <0,14Ω(12A), <159/208ns  | 23a | TO-3       | 2SK623, 2SK901, 2SK944, 2SK1641, 2SK2007   |
| IRF 255          | Inr,Sam     | MOS-N-FET-e | VFET, 250/20V, 20/80A, 150W, <0,17Ω(12A), <159/208ns  | 23a | TO-3       | 2SK623, 2SK901, 2SK944, 2SK1641, 2SK2007   |
| IRF 256          | Inr         | MOS-N-FET-e | =IRF 254: 275/20V                                     | 23a | TO-3       | 2SK868(A), 2SK1169...70, 2SK1497...1500,++ |
| IRF 257          | Inr         | MOS-N-FET-e | =IRF 255: 275/20V                                     | 23a | TO-3       | 2SK868(A), 2SK1169...70, 2SK1497...1500,++ |
| IRF 320          | Inr,Fch,Sam | MOS-N-FET-e | VFET, 400/20V, 3,3/13A, 50W, <1,8Ω(1,8A), <35/65ns    | 23a | TO-3       | MTM 5N40, 2SK635                           |
| IRF 321          | Inr,Fch,Sam | MOS-N-FET-e | =IRF 320: 350/20V                                     | 23a | TO-3       | MTM 5N35, 2SK635                           |
| IRF 322          | Inr,Fch,Sam | MOS-N-FET-e | VFET, 400/20V, 2,8/11A, 50W, <2,5Ω(1,8A), <35/65ns    | 23a | TO-3       | MTM 5N40, 2SK635                           |
| IRF 323          | Inr,Fch,Sam | MOS-N-FET-e | =IRF 322: 350/20V                                     | 23a | TO-3       | MTM 5N35, 2SK635                           |
| IRF 330          | Inr,Sam++   | MOS-N-FET-e | VFET, 400/20V, 5,5/20A, 75W, on<1Ω(3A), <46/80ns      | 23a | TO-3       | BUZ 63, MTM 5N40, 2SK260, 2SK2264          |
| IRF 331          | Inr,Sam++   | MOS-N-FET-e | =IRF 320: 350/20V                                     | 23a | TO-3       | BUZ 63, MTM 5N35, 2SK259...260, 2SK2264    |
| IRF 332          | Inr,Sam++   | MOS-N-FET-e | VFET, 400/20V, 4,5/16A, 75W, on<1,5Ω(3A), <46/80ns    | 23a | TO-3       | BUZ 63, MTM 5N40, 2SK260, 2SK2264          |
| IRF 333          | Inr,Sam++   | MOS-N-FET-e | =IRF 322: 350/20V                                     | 23a | TO-3       | BUZ 63, MTM 5N35, 2SK259...260, 2SK2264    |
| IRF 340          | Inr,Sam++   | MOS-N-FET-e | VFET, 400/20V, 10/40A, 125W, <0,55Ω(5,2A), <62/111ns  | 23a | TO-3       | BUZ 64, BUZ 325...326, 2SK642, 2SK896,++   |
| IRF 341          | Inr,Sam++   | MOS-N-FET-e | =IRF 340: 350/20V                                     | 23a | TO-3       | BUZ 64, BUZ 325...326, 2SK642, 2SK896,++   |
| IRF 342          | Inr,Sam++   | MOS-N-FET-e | VFET, 400/20V, 8,3/33A, 125W, <0,8Ω(5,2A), <62/111ns  | 23a | TO-3       | BUZ 64, BUZ 325...326, 2SK642, 2SK896,++   |
| IRF 343          | Inr,Sam++   | MOS-N-FET-e | =IRF 342: 350/20V                                     | 23a | TO-3       | BUZ 64, BUZ 325...326, 2SK642, 2SK896,++   |
| IRF 350          | Inr,Sam++   | MOS-N-FET-e | VFET, 400/20V, 15/60A, 150W, <0,3Ω(8A), <100/225ns    | 23a | TO-3       | BUZ 323, MTM 15N40, 2SK559...60, 2SK899,++ |
| IRF 351          | Inr,Sam++   | MOS-N-FET-e | =IRF 350: 350/20V                                     | 23a | TO-3       | BUZ 323, MTM 15N35, 2SK559...60, 2SK899,++ |
| IRF 352          | Inr,Sam++   | MOS-N-FET-e | VFET, 400/20V, 13/52A, 150W, <0,4Ω(8A), <100/225ns    | 23a | TO-3       | BUZ 323, MTM 15N40, 2SK559...60, 2SK899,++ |
| IRF 353          | Inr,Sam++   | MOS-N-FET-e | =IRF 352: 350/20V                                     | 23a | TO-3       | BUZ 323, MTM 15N35, 2SK559...60, 2SK899,++ |
| IRF 360          | Inr         | MOS-N-FET-e | VFET, 400/20V, 25/100A, 300W, <0,2Ω(14A), <173/219ns  | 23a | TO-3       |  |
| IRF 362          | Inr         | MOS-N-FET-e | VFET, 400/20V, 22/88A, 300W, <0,25Ω(14A), <173/219ns  | 23a | TO-3       |  |
| IRF 420          | Inr,Fch,Sam | MOS-N-FET-e | VFET, 500/20V, 2,5/8A, 50W, on<3Ω(1,4A), <33/60ns     | 23a | TO-3       | BUZ 308, MTM 3N55, 2SK635                  |
| IRF 421          | Inr,Fch,Sam | MOS-N-FET-e | =IRF 420: 450/20V                                     | 23a | TO-3       | BUZ 308, MTM 3N55, 2SK635                  |
| IRF 422          | Inr,Fch,Sam | MOS-N-FET-e | VFET, 500/20V, 2,2/7A, 50W, on<4Ω(1,4A), <33/60ns     | 23a | TO-3       | BUZ 308, MTM 3N55, 2SK635                  |
| IRF 423          | Inr,Fch,Sam | MOS-N-FET-e | =IRF 422: 450/20V                                     | 23a | TO-3       | BUZ 308, MTM 3N55, 2SK635                  |
| IRF 430          | Inr,Fch,Gen | MOS-N-FET-e | VFET, 500/20V, 4,5/15A, 75W, <1,5Ω(2,5A), <40/76ns    | 23a | TO-3       | BUZ 84, BUZ 355...356, MTM 4N50, 2SK351    |
| IRF 431          | Inr,Fch,Gen | MOS-N-FET-e | =IRF 430: 450/20V                                     | 23a | TO-3       | BUZ 84, BUZ 355...356, MTM 4N45, 2SK351    |
| IRF 432          | Inr,Fch,Gen | MOS-N-FET-e | VFET, 500/20V, 4/13A, 75W, on<2Ω(2,5A), <40/76ns      | 23a | TO-3       | BUZ 84, BUZ 355...356, MTM 4N50, 2SK351    |
| IRF 433          | Inr,Fch,Gen | MOS-N-FET-e | =IRF 432: 450/20V                                     | 23a | TO-3       | BUZ 84, BUZ 355...356, MTM 4N45, 2SK351    |
| IRF 440          | Inr,Sam++   | MOS-N-FET-e | VFET, 500/20V, 8/32A, 125W, <0,85Ω(4,4A), <56/104ns   | 23a | TO-3       | BUZ 94, BUZ 330...331, MTM 7N50, 2SK636    |
| IRF 441          | Inr,Sam++   | MOS-N-FET-e | =IRF 440: 450/20V                                     | 23a | TO-3       | BUZ 94, BUZ 330...331, MTM 7N45, 2SK636    |
| IRF 442          | Inr,Sam++   | MOS-N-FET-e | VFET, 500/20V, 7/28A, 125W, <1,1Ω(4,4A), <56/104ns    | 23a | TO-3       | BUZ 94, BUZ 330...331, MTM 7N50, 2SK636    |
| IRF 443          | Inr,Sam++   | MOS-N-FET-e | =IRF 442: 450/20V                                     | 23a | TO-3       | BUZ 94, BUZ 330...331, MTM 7N45, 2SK636    |
| IRF 448          | Inr         | MOS-N-FET-e | VFET, 500/20V, 9,6/38A, 130W, <0,6Ω(5,4A), <87/141ns  | 23a | TO-3       | BUZ 45, BUZ 339, 2SK512, 2SK683, 2SK724+   |
| IRF 449          | Inr         | MOS-N-FET-e | VFET, 500/20V, 8,6/34A, 130W, <0,75Ω(5,4A), <87/141ns | 23a | TO-3       | BUZ 45, BUZ 339, 2SK512, 2SK683, 2SK724+   |
| IRF 450          | Inr,Sam++   | MOS-N-FET-e | VFET, 500/20V, 13/52A, 150W, <0,4Ω(5,4A), <93/160ns   | 23a | TO-3       | BUZ 323, BUZ 338, MTM 15N50, 2SK899, ++    |
| IRF 451          | Inr,Sam++   | MOS-N-FET-e | =IRF 450: 450/20V                                     | 23a | TO-3       | BUZ 323, BUZ 338, MTM 15N45, 2SK899, ++    |
| IRF 452          | Inr,Sam++   | MOS-N-FET-e | VFET, 500/20V, 11/44A, 150W, <0,5Ω(7,2A), <93/160ns   | 23a | TO-3       | BUZ 323, BUZ 338, MTM 15N50, 2SK899, ++    |
| IRF 453          | Inr,Sam++   | MOS-N-FET-e | =IRF 452: 450/20V                                     | 23a | TO-3       | BUZ 323, BUZ 338, MTM 15N45, 2SK899, ++    |
| IRF 460          | Inr         | MOS-N-FET-e | VFET, 500/20V, 21/84A, 300W, 0,27Ω(12A), <155/228ns   | 23a | TO-3       |  |
| IRF 462          | Inr         | MOS-N-FET-e | VFET, 500/20V, 19/76A, 300W, <0,35Ω(12A), <155/228ns  | 23a | TO-3       |  |
| IRF 510          | Inr,Sam++   | MOS-N-FET-e | VFET, 100/20V, 5,6/20A, 43W, <0,54Ω(3,4A), 23/24ns    | 17p | TO-220     | BUZ 20, BUZ 72, 2SK628, 2SK917, 2SK920++   |
| IRF 511          | Inr,Sam++   | MOS-N-FET-e | =IRF 510: 80/20V                                      | 17p | TO-220     | BUZ 20, BUZ 72, 2SK628, 2SK917, 2SK920++   |
| IRF 512          | Inr,Sam++   | MOS-N-FET-e | VFET, 100/20V, 4,9/18A, 43W, <0,74Ω(3,4A), <47/42ns   | 17p | TO-220     | BUZ 20, BUZ 72, 2SK628, 2SK917, 2SK920++   |
| IRF 513          | Inr,Sam++   | MOS-N-FET-e | =IRF 510: 80/20V                                      | 17p | TO-220     | BUZ 20, BUZ 72, 2SK628, 2SK917, 2SK920++   |
| IRF 520          | Inr,Sam++   | MOS-N-FET-e | VFET, 100/20V, 9,2/37A, 60W, <0,27Ω(5,5A), 39/39ns    | 17p | TO-220     | BUZ 20, BUZ 72, 2SK918, 2SK921, 2SK1427+   |
| IRF 521          | Inr,Sam++   | MOS-N-FET-e | =IRF 520: 80/20V                                      | 17p | TO-220     | BUZ 20, BUZ 72, 2SK918, 2SK921, 2SK1427+   |
| IRF 522          | Inr,Sam++   | MOS-N-FET-e | VFET, 100/20V, 8/32A, 60W, on<0,36Ω(5,6A), 39/39ns    | 17p | TO-220     | BUZ 20, BUZ 72, 2SK918, 2SK921, 2SK1427+   |
| IRF 523          | Inr,Sam++   | MOS-N-FET-e | =IRF 520: 80/20V                                      | 17p | TO-220     | BUZ 20, BUZ 72, 2SK918, 2SK921, 2SK1427+   |
| IRF 520...523FLP | Sgs         | MOS-N-FET-e | Iso, =75%Imax, 30W                                    | 17c | TO-220 Iso | BUZ72(A)F, BUK443-100, 2SK1261, 2SK1556-   |
| IRF 530          | Inr,Sam++   | MOS-N-FET-e | VFET, 100/20V, 14/56A, 88W, <0,16Ω(8,4A), 44/47ns     | 17p | TO-220     | BUZ21, 2SK919, 2SK922, 2SK1301, 2SK1559+   |
| IRF 531          | Inr,Sam++   | MOS-N-FET-e | =IRF 530: 80/20V                                      | 17p | TO-220     | BUZ21, 2SK919, 2SK922, 2SK1301, 2SK1559+   |
| IRF 532          | Inr,Sam++   | MOS-N-FET-e | VFET, 100/20V, 12/48A, 88W, <0,23Ω(8,3A), <66/71ns    | 17p | TO-220     | BUZ21, 2SK919, 2SK922, 2SK1301, 2SK1559+   |
| IRF 533          | Inr,Sam++   | MOS-N-FET-e | =IRF 532: 80/20V                                      | 17p | TO-220     | BUZ21, 2SK919, 2SK922, 2SK1301, 2SK1559+   |
| IRF 530...533FLP | Sgs         | MOS-N-FET-e | Iso, =67%Imax, 35W                                    | 17c | TO-220 Iso | BUK 545-100, 2SK1230, 2SK1305, 2SK1430++   |
| IRF 540          | Inr,Sam++   | MOS-N-FET-e | VFET, 100/20V, 28/110A, 150W, <77mΩ(17A), 55/96ns     | 17p | TO-220     | BUK 456-100, BUZ 22                        |
| IRF 541          | Inr,Sam++   | MOS-N-FET-e | =IRF 540: 80/20V                                      | 17p | TO-220     | BUK 456-100, BUZ 22                        |
| IRF 542          | Inr,Sam++   | MOS-N-FET-e | VFET, 100/20V, 25/100A, 150W, <0,1Ω(17A), 55/96ns     | 17p | TO-220     | BUK 456-100, BUZ 22                        |
| IRF 543          | Inr,Sam++   | MOS-N-FET-e | =IRF 542: 80/20V                                      | 17p | TO-220     | BUK 456-100, BUZ 22                        |
| IRF 540...543FLP | Sgs         | MOS-N-FET-e | Iso, =55%Imax, 40W                                    | 17c | TO-220 Iso | BUK 445-100, 2SK1306...07, 2SK1348...49++  |
| IRF 510S...540S  |             | MOS-N-FET-e | =IRF 510...540:                                       | 30c | (TO-220MF) |  |
| IRF 610          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 3,3/10A, 36W, <1,5Ω(2A), 25/23ns       | 17p | TO-220     | MTP 5N20, 2SK923...924, 2SK1391            |
| IRF 611          | Inr,Sam++   | MOS-N-FET-e | =IRF 610: 150/20V                                     | 17p | TO-220     | MTP 5N18, 2SK923...924, 2SK1391            |
| IRF 612          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 2,6/6,5A, 36W, <2,4Ω(1,6A), 25/23ns    | 17p | TO-220     | MTP 5N20, 2SK923...924, 2SK1391            |
| IRF 613          | Inr,Sam++   | MOS-N-FET-e | =IRF 612: 150/20V                                     | 17p | TO-220     | MTP 5N18, 2SK923...924, 2SK1391            |
| IRF 614          | Inr,Sam     | MOS-N-FET-e | VFET, 250/20V, 2,7/8A, 36W, on<2Ω(1,6A), 14,6/23ns    | 17p | TO-220     | BUZ 76, 2SK310, 2SK923                     |
| IRF 615          | Inr,Sam     | MOS-N-FET-e | VFET, 250/20V, 1,8/6,4A, 36W, <3Ω(1A), 14,6/23ns      | 17p | TO-220     | BUZ 74, 2SK382, 2SK892                     |
| IRF 620          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 5,2/18A, 50W, <0,8Ω(3,1A), 29/32ns     | 17p | TO-220     | BUZ60, MTP 5N20, 2SK358, 2SK924, 2SK1391   |
| IRF 621          | Inr,Sam++   | MOS-N-FET-e | =IRF 620: 150/20V                                     | 17p | TO-220     | BUZ60, MTP 5N18, 2SK357, 2SK924, 2SK1391   |
| IRF 622          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 4/16A, 50W, on<1,2Ω(2,5A), 29/32ns     | 17p | TO-220     | BUZ60, MTP 5N20, 2SK358, 2SK924, 2SK1391   |
| IRF 623          | Inr,Sam++   | MOS-N-FET-e | =IRF 622: 150/20V                                     | 17p | TO-220     | BUZ60, MTP 5N18, 2SK357, 2SK924, 2SK1391   |
| IRF 620...623FLP | Sgs         | MOS-N-FET-e | Iso, =80%Imax, 40W                                    | 17c | TO-220 Iso | BUZ 73(A)F, BUK 444-200                    |
| IRF 624          | Inr,Sam     | MOS-N-FET-e | VFET, 250/20V, 4,4/14A, 50W, <1,1Ω(2,6A), 20/32ns     | 17p | TO-220     | BUZ 60, BUZ 41A, 2SK358, 2SK924, 2SK1391   |
| IRF 625          | Inr,Sam     | MOS-N-FET-e | VFET, 250/20V, 3,3/13A, 50W, <1,5Ω(2,1A), 20/32ns     | 17p | TO-220     | BUZ 60, BUZ 41A, 2SK358, 2SK924, 2SK1391   |
| IRF 626          | Inr         | MOS-N-FET-e | =IRF 624: 275/20V                                     | 17p | TO-220     | BUZ 60, BUZ 41A, 2SK553                    |
| IRF 627          | Inr         | MOS-N-FET-e | =IRF 625: 275/20V                                     | 17p | TO-220     | BUZ 60, BUZ 41A, 2SK553                    |
| IRF 630          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 9/36A, 74W, <0,4Ω(5,4A), 37/59ns       | 17p | TO-220     | BUZ 31...32, 2SK459, 2SK925, 2SK1393,++    |
| IRF 631          | Inr,Sam++   | MOS-N-FET-e | =IRF 630: 150/20V                                     | 17p | TO-220     | BUZ 31...32, 2SK470, 2SK925, 2SK1393,++    |
| IRF 632          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 8/32A, 74W, <0,6Ω(5A), 37/59ns         | 17p | TO-220     | BUZ 31...32, 2SK459, 2SK925, 2SK1393,++    |
| IRF 633          | Inr,Sam++   | MOS-N-FET-e | =IRF 632: 150/20V                                     | 17p | TO-220     | BUZ 31...32, 2SK470, 2SK925, 2SK1393,++    |
| IRF 634          | Inr,Sam     | MOS-N-FET-e | VFET, 250/20V, 8,1/32A, 74W, <0,45Ω(5,1A), 31/61ns    | 17p | TO-220     | 2SK741, 2SK925, 2SK1221, 2SK1393,++        |
| IRF 635          | Inr,Sam     | MOS-N-FET-e | VFET, 250/20V, 6,5/26A, 74W, <0,68Ω(4,1A), 31/61ns    | 17p | TO-220     | 2SK741, 2SK925, 2SK1221, 2SK1393,++        |
| IRF 636          | Inr         | MOS-N-FET-e | =IRF 634: 275/20V                                     | 17p | TO-220     | 2SK554...555, 2SK894, 2SK1495...96         |
| IRF 637          | Inr         | MOS-N-FET-e | =IRF 634: 275/20V                                     | 17p | TO-220     | 2SK554...555, 2SK894, 2SK1495...96         |
| IRF 640          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 18/72A, 125W, <0,18Ω(11A), 65/81ns     | 17p | TO-220     | BUZ 30A                                    |
| IRF 641          | Inr,Sam++   | MOS-N-FET-e | =IRF 640: 150/20V                                     | 17p | TO-220     | BUZ 30A, PRF 540, PRF 542                  |
| IRF 642          | Inr,Sam++   | MOS-N-FET-e | VFET, 200/20V, 16/64A, 125W, <0,22Ω(10A), 65/81ns     | 17p | TO-220     | BUZ 30A                                    |