

FAIRCHILD Power MOSFETS

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MEDIUM POWER MOSFETS (CONT.)

◆ Surface Mount Device
* Kinked Lead

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For quantities greater than listed, call for quote.

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| MOUSER STOCK NO. | | Package | V _{DS} (V) | R _{DS(on)} (mΩ) | Q _g (nC) | I _D (A) | P _D (W) | Price Each | | |
|---------------------------------|----------------------|------------|---------------------|--------------------------|---------------------|--------------------|--------------------|------------|------|------|
| Mfr. | Mfr. Part No. | | | | | | | 1 | 10 | 100 |
| Single N-Channel (Cont.) | | | | | | | | | | |
| ◆ | 512-BSS138K | SOT-23 | 50 | 2500 | 2.4 | 0.22 | 0.35 | .37 | .245 | .102 |
| ◆ | 512-BSS138 | SOT-23 | 50 | 3500 | 1.7 | 0.22 | 0.36 | .22 | .148 | .061 |
| ◆ | 512-BSS138D87Z | SOT-23 | 50 | 3500 | 1.7 | 0.22 | 0.36 | .32 | .211 | .088 |
| ◆ | 512-RFD14N05LSM | TO-252 | 50 | 100 | 31 | 14 | 48 | .82 | .631 | .407 |
| ◆ | 512-RFD14N05L | TO-251 | 50 | 100 | 40 | 14 | 48 | .82 | .631 | .407 |
| ◆ | 512-RFD14N05LSM9A | TO-252 | 50 | 100 | 40 | 14 | 48 | .96 | .744 | .481 |
| ◆ | 512-RFD16N05LSM9A | TO-252AA | 50 | 47 | 80 | 16 | 60 | 1.15 | .894 | .711 |
| ◆ | 512-HUF75321P3 | TO-220AB | 55 | 34 | 21 | 35 | 93 | 1.02 | .791 | .63 |
| ◆ | 512-HUF75345G3 | TO-247 | 55 | 7 | 125 | 75 | 325 | 3.62 | 2.91 | 2.39 |
| ◆ | 512-HUF75345P3 | TO-220AB | 55 | 7 | 125 | 75 | 325 | 2.38 | 1.92 | 1.54 |
| ◆ | 512-FDH5500-F085 | TO-247 | 55 | 7 | 206 | 75 | 375 | 4.28 | 3.44 | 2.82 |
| ◆ | 512-HUF75344G3 | TO-247 | 55 | 8 | 90 | 75 | 285 | 2.95 | 2.38 | 1.91 |
| ◆ | 512-HUF75339P3 | TO-220AB | 55 | 12 | 60 | 75 | 200 | 1.63 | 1.26 | 1.00 |
| ◆ | 512-2N7002K | SOT-23 | 60 | 2000 | - | 0.12 | 0.35 | .28 | .185 | .077 |
| ◆ | 512-2N7002D87Z | SOT-23 | 60 | 2000 | - | 0.12 | 0.2 | .30 | .194 | .081 |
| ◆ | 512-2N7002L | SOT-23-3 | 60 | 7500 | - | 0.12 | 0.2 | .18 | .15 | .053 |
| ◆ | 512-2N7002W | SOT-323 | 60 | 7500 | - | 0.12 | 0.2 | .44 | .255 | .109 |
| ◆ | 512-2N7002 | SOT-23 | 60 | 7500 | 1.7 | 0.12 | 0.2 | .22 | .183 | .064 |
| ◆ | 512-2N7000BU | TO-92-3 | 60 | 5000 | - | 0.2 | 0.4 | .40 | .235 | .10 |
| * | 512-2N7000TA | TO-92-3 | 60 | 5000 | - | 0.2 | 0.4 | .38 | .218 | .094 |
| ◆ | 512-2N7000 | TO-92-3 | 60 | 5000 | 1.7 | 0.2 | 0.4 | .42 | .241 | .103 |
| * | 512-2N7000D26Z | TO-92-3 | 60 | 5000 | 1.7 | 0.2 | 0.4 | .40 | .269 | .112 |
| * | 512-2N7000D74Z | TO-92-3 | 60 | 5000 | 1.7 | 0.2 | 0.4 | .42 | .239 | .102 |
| * | 512-2N7000D75Z | TO-92-3 | 60 | 5000 | 1.7 | 0.2 | 3.2 | .42 | .244 | .104 |
| ◆ | 512-NDS7002A | SOT-23 | 60 | 2000 | 1.7 | 0.28 | 0.3 | .42 | .276 | .115 |
| ◆ | 512-BS270 | TO-92-3 | 60 | 2000 | - | 0.4 | 0.63 | .49 | .287 | .123 |
| * | 512-BS270D74Z | TO-92-3 | 60 | 2000 | - | 0.4 | 0.63 | .49 | .287 | .123 |
| ◆ | 512-BS170 | TO-92-3 | 60 | 5000 | - | 0.5 | 0.83 | .44 | .256 | .11 |
| * | 512-BS170D26Z | TO-92-3 | 60 | 5000 | - | 0.5 | 0.83 | .46 | .268 | .115 |
| * | 512-BS170D27Z | TO-92-3 | 60 | 5000 | - | 0.5 | 0.83 | .42 | .244 | .104 |
| * | 512-BS170D75Z | TO-92-3 | 60 | 5000 | - | 0.5 | 0.83 | .47 | .268 | .115 |
| * | 512-BS170_D74Z | TO-92-3 | 60 | 5000 | 1.7 | 0.5 | 0.83 | .47 | .274 | .117 |
| ◆ | 512-MMBF170 | SOT-23 | 60 | 5000 | 1.7 | 0.5 | 0.3 | .42 | .277 | .115 |
| ◆ | 512-FDN5630 | SSOT-3 | 60 | 100 | 7 | 1.7 | 0.5 | .54 | .363 | .202 |
| ◆ | 512-FDN5630_F095 | SSOT-3 | 60 | 120 | 7 | 1.7 | 0.5 | .54 | .367 | .243 |
| ◆ | 512-NDT014 | SOT-223 | 60 | 200 | 11 | 2.7 | 3 | .64 | .433 | .286 |
| ◆ | 512-FQT13N06LTF | SOT-223 | 60 | 110 | 4.8 | 2.8 | 2.1 | .71 | .481 | .318 |
| ◆ | 512-FQT13N06TF | SOT-223 | 60 | 140 | 5.8 | 2.8 | 2.1 | .63 | .487 | .315 |
| ◆ | 512-NDT3055L | SOT-223 | 60 | 70 | 13 | 4 | 3 | .72 | .557 | .36 |
| ◆ | 512-NDT3055 | SOT-223 | 60 | 100 | 9 | 4 | 3 | .67 | .52 | .336 |
| ◆ | 512-FDC5612 | SSOT-6 | 60 | 55 | 12.5 | 4.3 | 1.6 | .89 | .695 | .449 |
| ◆ | 512-FDS351 | SOIC-8 | 60 | 35 | 9 | 6.1 | 5 | .93 | .718 | .464 |
| ◆ | 512-FDM586551L | MicroFET-2 | 60 | 35 | 12 | 7.5 | 2.4 | .94 | .73 | .581 |
| ◆ | 512-FDS5680 | SOIC-8 | 60 | 20 | 30 | 8 | 2.5 | 1.65 | 1.28 | 1.01 |
| ◆ | 512-FDS5670 | SOIC-8 | 60 | 14 | 49 | 10 | 2.5 | 1.76 | 1.42 | 1.13 |
| ◆ | 512-FQPF13N06L | TO-220F | 60 | 110 | 4.8 | 10 | 24 | .89 | .692 | .447 |
| ◆ | 512-RFD3055LE | TO-251 | 60 | 107 | 11.3 | 11 | 38 | .80 | .621 | .401 |
| ◆ | 512-FQD13N06LTM | TO-252 | 60 | 110 | 4.8 | 11 | 2.5 | .65 | .51 | .329 |
| ◆ | 512-FQU13N06LTU | IPAK | 60 | 115 | 4.8 | 11 | 2.5 | .77 | .596 | .385 |
| ◆ | 512-FDS5672 | SOIC-8 | 60 | 10 | 34 | 12 | 2.5 | 1.56 | 1.26 | 1.00 |
| ◆ | 512-HUF76407D3ST | TO-252 | 60 | 92 | 9.4 | 12 | 38 | .79 | .614 | .397 |
| ◆ | 512-MTP3055VL | TO-220AB | 60 | 180 | 7.8 | 12 | 48 | 1.21 | .936 | .745 |
| ◆ | 512-MTD3055VL | TO-252 | 60 | 180 | 10 | 12 | 48 | 1.23 | .953 | .758 |
| ◆ | 512-FDMC86520L | MCP-8 | 60 | 6.5 | 64 | 13.5 | 40 | 1.73 | 1.40 | 1.12 |
| ◆ | 512-FQP13N06L | TO-220AB | 60 | 110 | 4.8 | 13.6 | 45 | .86 | .667 | .431 |
| ◆ | 512-FDMS86520 | Power-56 | 60 | 7.4 | 40 | 14 | 69 | 1.85 | 1.50 | 1.20 |
| ◆ | 512-FQPF20N06 | TO-220F | 60 | 60 | 11.5 | 15 | 30 | .97 | .751 | .485 |
| ◆ | 512-FQPF20N06L | TO-220F | 60 | 55 | 9.5 | 15.7 | 30 | .97 | .756 | .601 |
| ◆ | 512-RFD16N06LESM9A | TO-252 | 60 | 47 | 51 | 16 | 90 | 1.26 | .976 | .776 |
| ◆ | 512-FQPF27P06 | TO-220F | 60 | 70 | 33 | 17 | 47 | 1.37 | 1.06 | .847 |
| ◆ | 512-RFD12N06RLESM9A | TO-252AA | 60 | 75 | 15 | 17 | 49 | .93 | .724 | .468 |
| ◆ | 512-FDMS362L_F085 | Power-56 | 60 | 34 | 17 | 17.6 | 41.7 | .94 | .728 | .47 |
| ◆ | 512-FDMS86540 | Power-56 | 60 | 3.4 | 90 | 20 | 96 | 2.47 | 2.00 | 1.60 |
| ◆ | 512-FQP20N06 | TO-220AB | 60 | 60 | 11.5 | 20 | 53 | .96 | .742 | .59 |
| ◆ | 512-FQP20N06L | TO-220AB | 60 | 35 | 9.5 | 21 | 53 | .97 | .753 | .599 |
| ◆ | 512-FDMS86520L | Power-56 | 60 | 8.2 | 45 | 22 | 69 | 1.57 | 1.21 | .968 |
| ◆ | 512-FDMS5672 | Power-56 | 60 | 11 | 32 | 22 | 78 | 2.28 | 1.84 | 1.47 |
| ◆ | 512-FQPF30N06L | TO-220F | 60 | 35 | 15 | 22.5 | 38 | 1.17 | .909 | .723 |
| ◆ | 512-FDD5690 | TO-252AA | 60 | 23 | 32 | 30 | 3.2 | 1.40 | 1.08 | .862 |
| ◆ | 512-FQP30N06 | TO-220AB | 60 | 40 | 19 | 30 | 79 | 1.16 | .90 | .716 |
| ◆ | 512-FDMS86550 | Power-56 | 60 | 1.65 | 126 | 32 | 2.7 | 2.84 | 2.30 | 1.84 |
| ◆ | 512-FDMS5361L_F085 | Power-56 | 60 | 11.7 | 37 | 35 | 75 | 1.18 | .948 | .728 |
| ◆ | 512-FDD10AN06A0_F085 | TO-252AA-3 | 60 | 9.4 | 28 | 50 | 135 | 1.53 | 1.18 | .943 |
| ◆ | 512-FDD10AN06A0 | TO-252 | 60 | 10.5 | 28 | 50 | 135 | 1.79 | 1.44 | 1.16 |
| ◆ | 512-FDD5353 | TO-252 | 60 | 12.3 | 23 | 50 | 69 | 1.49 | 1.15 | .921 |
| ◆ | 512-FDD13AN06A0 | TO-252 | 60 | 13 | 22 | 50 | 115 | 1.40 | 1.08 | .858 |
| ◆ | 512-RFP50N06 | TO-220AB | 60 | 22 | 67 | 50 | 131 | 1.50 | 1.16 | .925 |
| ◆ | 512-FQP50N06L | TO-220AB | 60 | 21 | 24.5 | 52 | 121 | 1.56 | 1.21 | .964 |
| ◆ | 512-FDP55N06 | TO-220AB | 60 | 22 | 30 | 55 | 114 | 1.17 | .906 | .721 |
| ◆ | 512-FDMC86570LET60 | Power-33 | 60 | 5 | 63 | 56 | 54 | 2.20 | 1.78 | 1.42 |
| ◆ | 512-FDMC86570L | Power-33 | 60 | 6.5 | 88 | 56 | 54 | 1.98 | 1.60 | 1.28 |
| ◆ | 512-FDB13AN06A0 | TO-263AB | 60 | 13 | 22 | 62 | 115 | 1.81 | 1.46 | 1.17 |
| ◆ | 512-FDP65N06 | TO-220AB | 60 | 16 | 33 | 65 | 135 | 2.00 | .931 | .74 |
| ◆ | 512-FQP65N06 | TO-220AB | 60 | 16 | 48 | 65 | 150 | 1.92 | 1.55 | 1.24 |
| ◆ | 512-RFP70N06 | TO-220AB | 60 | 14 | 156 | 70 | 150 | 1.70 | 1.32 | 1.05 |
| ◆ | 512-FDP038AN06A0 | TO-220AB | 60 | 3 | 95 | 80 | 310 | 4.21 | 3.39 | 2.78 |

| MOUSER STOCK NO. | | Package | V _{DS} (V) | R _{DS(on)} (mΩ) | Q _g (nC) | I _D (A) | P _D (W) | Price Each | | |
|---------------------------------|----------------------|----------|---------------------|--------------------------|---------------------|--------------------|--------------------|------------|------|------|
| Mfr. | Mfr. Part No. | | | | | | | 1 | 10 | 100 |
| Single N-Channel (Cont.) | | | | | | | | | | |
| ◆ | 512-FDP050AN06A0 | TO-220AB | 60 | 5 | 61 | 80 | 245 | 3.00 | 2.41 | 1.98 |
| ◆ | 512-FDB5800 | TO-263-2 | 60 | 6 | 104 | 80 | 242 | 2.19 | 1.77 | 1.41 |
| ◆ | 512-FDP5800 | TO-220AB | 60 | 6 | 112 | 80 | 242 | 2.24 | 1.81 | 1.44 |
| ◆ | 512-FDP80N06 | TO-220AB | 60 | 10 | 57 | 80 | 176 | 1.68 | 1.30 | 1.03 |
| ◆ | 512-FQP85N06 | TO-220AB | 60 | 10 | 86 | 85 | 160 | 2.79 | 2.25 | 1.80 |
| ◆ | 512-FDPP035N06B_F152 | TO-220-3 | 60 | 3.5 | 76 | 88 | 46.3 | 2.41 | 1.95 | 1.56 |
| ◆ | 512-FDMS86550ET60 | Power-56 | 60 | 1.4 | 110 | 155 | 1561 | 3.64 | 2.92 | 2.66 |
| ◆ | 512-FDMS362L_F085 | Power-56 | 60 | 8.7 | 64 | 242 | 150 | 1.18 | .919 | .731 |
| ◆ | 512-FDB024N06 | TO-263AB | 60 | 2.4 | 174 | 265 | 395 | 4.11 | 3.31 | 2.71 |
| ◆ | 512-FQP205N06 | TO-220AB | 60 | 2.5 | 174 | 265 | 395 | 6.00 | 4.82 | 3.96 |
| ◆ | 512-FDBL0110N60 | MO-299A | 60 | 2.2 | 170 | 300 | 429 | 5.06 | 4.07 | 3.70 |
| ◆ | 512-FDBL86561F085 | MO-299A | 60 | 2.2 | 170 | 300 | 429 | 6.60 | 5.94 | 4.88 |
| ◆ | 512-FDPP75N08A | TO-220AB | 75 | 11 | 80 | 75 | 137 | 1.78 | 1.44 | 1.15 |
| ◆ | 512-FDP60AN08A0 | TO-220AB | 75 | 6 | 99 | 80 | 255 | 3.42 | 2.75 | 2.25 |
| ◆ | 512-FDB045AN08A0 | TO-263AB | 75 | 4 | 92 | 90 | 310 | 3.67 | 2.95 | 2.42 |
| ◆ | 512-FDP047N08 | TO-220AB | 75 | 4.7 | | | | | | |