

FAIRCHILD Power MOSFETs

Products may be RoHS compliant. Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR

FAIRCHILD MEDIUM POWER MOSFETS

◆ Surface Mount Device * Kinked Lead For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	VDS (V)	RDS (on) (mΩ)	Qg (nC)	ID (A)	PD (W)	Price Each			
Mfr.	Mfr. Part No.							1	25	100	250
Single P-Channel											
512—FQU17P06TU TO-251 -60 135 21 12 44											
◆ 512—FDD5614P TO-252 -60 100 15 15 42											
◆ 512—FQB11P06TM TO-263 -60 175 13 11.4 53											
◆ 512—FQB27P06TM TO-263 -60 70 33 27 120											
◆ 512—FQB47P06TM_AM002 TO-263 -60 26 84 47 160											
◆ 512—BSS84 SOT-23 -50 10000 0.9 0.13 0.36											
◆ 512—FDS4685 SOIC-8 -40 27 19 8.2 2.5											
◆ 512—FDS4141 SO-8 -40 13 19 10.8 5											
◆ 512—FDS4675 SO-8 -40 13 40 11 2.4											
◆ 512—FDD4141 TO-252 -40 12 19 -50 69											
◆ 512—FDD4243 TO-252 -40 44 21 6.7 42											
◆ 512—FDD4685 TO-252 -40 27 19 32 69											
Single N-Channel											
◆ 512—FDM58460 Pwr-56 40 2.2 36 49 104											
◆ 512—FDMC8462 Pwr-33 40 5.8 15 20 41											
◆ 512—FDS8449 SO-8 40 29 2.4 7.6 2.5											
◆ 512—FDS8447 SO-8 40 10 19 12.8 2.5											
◆ 512—FDS4672A SO-8 40 13 35 11 2.5											
◆ 512—FDS4480 SO-8 40 12 29 10.8 2.5											
◆ 512—FDS4470 SO-8 40 9 45 12.5 2.5											
512—FDP8441 TO-220 40 2 215 80 300											
512—FDP8442 TO-220 40 5 181 80 254											
◆ 512—FDD8451 TO-252 40 24 16 28 37											
◆ 512—FDD8447L TO-252 40 8 20 50 44											
◆ 512—FDD8453LZ TO-252 40 6 24 50 65											
◆ 512—FDD8444 TO-252 40 5 89 145 153											
◆ 512—FDB8447L TO-263 40 8 20 50 60											
◆ 512—FDB8442 TO-263 40 2 181 80 254											
◆ 512—BSS138 SOT-23 50 3500 1.7 0.22 0.36											
◆ 512—RFD16N05LSM TO-252 50 47 61 16 60											
◆ 512—FDS5692Z SO-8 50 24 18 5.8 2.5											
◆ 512—BSS138D87Z SOT-23-3 50 3500 1.7 0.22 0.36											
◆ 512—RFD14N05LSM TO-252 50 100 31 14 48											
512—FDP3205 TO-220 55 7.5 25.5 100 150											
◆ 512—HUF75307T3ST SOT-223 55 90 8.3 2.6 1.1											
512—HUF75344G3 TO-247 55 8 90 75 285											
512—HUF75344A3 TO-3PN 55 8 86 75 288.5											
512—HUF75321P3 TO-220 55 34 21 35 93											
512—HUF75339P3 TO-220 55 12 60 75 200											
512—HUF75345P3 TO-220 55 7 125 75 325											
512—HUF75345G3 TO-247 55 7 125 75 325											
◆ 512—FDD5353 D-Pak 60 12.3 23 50 69											
◆ 512—FDM55352 Pwr-56 60 6.7 48 49 104											
◆ 512—FDS5351 SO-8 60 35 9 6.1 5											
◆ 512—FDB024N06 TO-263 60 2.4 174 265 395											
◆ 512—FDM55672 Pwr-56 60 11 32 22 78											
◆ 512—FDS5680 SO-8 60 20 30 8 2.5											
◆ 512—FDS5690 SO-8 60 28 23 7 2.5											
◆ 512—2N7002W SOT-323 60 7500 - 0.115 0.2											
◆ 512—FDN5630 SSOT-3 60 100 7 1.7 0.5											
◆ 512—FDC5612 SSOT-6 60 55 12.5 4.3 1.6											
512—MTP3055VL TO-220 60 180 7.8 12 48											
512—FQP30N06L TO-220 60 35 15 32 79											
512—FDP80N06 TO-220 60 10 57 80 176											
512—RFP50N06 TO-220 60 22 67 50 131											
512—NDP6060L TO-220 60 25 36 48 100											
512—FDP20AN06A0 TO-220 60 20 15 45 90											
512—FDP5800 TO-220 60 6 112 80 242											
◆ 512—FDP050AN06A0 TO-220 60 5 61 80 245											
◆ 512—FDD13AN06A0 TO-252 60 13 22 50 115											
◆ 512—FQD13N06LTM TO-252 60 110 4.8 11 2.5											
◆ 512—FDB13AN06A0 TO-263 60 13 22 62 115											
◆ 512—FDB035AN06A0 TO-263 60 3 95 80 310											
◆ 512—FDB5800 TO-263-2 60 6 104 80 242											
◆ 512—FDB070AN06A0 TO-263AB 60 7 51 15 175											
512—2N7000D74Z TO-92 60 5000 1.7 0.2 0.4											
512—BS170D27Z TO-92* 60 5000 - 0.5 0.83											
512—BS170D75Z TO-92* 60 5000 - 0.5 0.83											
◆ 512—FDS5670 SOIC-8* 60 14 49 10 2.5											
◆ 512—FDS5672 SOIC-8 60 10 34 12 2.5											
◆ 512—FDS5682 SOIC-8 60 21 27 7.5 2.5											
◆ 512—NDT3055L SOT-223 60 70 13 4 3											
◆ 512—NDT3055 SOT-223 60 100 9 4 3											
◆ 512—FQT13N06LTF SOT-223 60 110 4.8 2.8 2.1											
◆ 512—2N7002 SOT-23 60 7500 1.7 0.12 0.2											
◆ 512—2N7002MTF SOT-23 60 5000 - 0.115 0.2											
◆ 512—MMBF170 SOT-23 60 5000 1.7 0.5 0.3											
◆ 512—NDS7002A SOT-23 60 2000 1.7 0.28 0.3											
512—MTP3055V TO-220 60 150 17 12 48											
512—FDP038AN06A0 TO-220 60 3 95 80 310											
512—FQP13N06L TO-220 60 110 4.8 13.6 45											
512—FQP20N06 TO-220 60 60 11.5 20 53											
512—FQP20N06L TO-220 60 55 9.5 21 53											
512—FQP30N06 TO-220 60 40 19 30 79											
512—FQP20N06L TO-220 60 35 9.5 21 53											
512—FQP30N06 TO-220 60 40 19 30 79											

◆ Surface Mount Device For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	VDS (V)	RDS (on) (mΩ)	Qg (nC)	ID (A)	PD (W)	Price Each			
Mfr.	Mfr. Part No.							1	25	100	250
Single N-Channel (Cont.)											
512—FQP50N06 TO-220 60 22 31 50 120											
512—FQP50N06L TO-220 60 21 24.5 52 121											
512—FQP65N06 TO-220 60 16 48 65 150											
512—FQP85N06 TO-220 60 10 86 85 160											
512—FQPF13N06L TO-220F 60 110 4.8 10 24											
512—FQPF20N06 TO-220F 60 60 11.5 15 30											
512—FQPF20N06L TO-220F 60 55 9.5 15.7 30											
512—FQPF30N06L TO-220F 60 35 15 22.5 38											
512—FQPF50N06 TO-220F 60 22 31 31 47											
◆ 512—FQB30N06LTM TO-263 60 35 15 32 79											
512—FQA85N06 TO-3P 60 10 86 100 214											
512—2N7000 TO-92 60 5000 1.7 0.2 0.4											
512—2N7000BU TO-92 60 5000 - 2 4.0											
512—BS170 TO-92 60 5000 - 0.5 0.83											
512—BS270 TO-92 60 2000 - 0.4 0.63											
512—2N7000D75Z TO-92 60 5000 1.7 0.2 3.2											
512—2N7000D26Z TO-92 60 5000 1.7 0.2 0.4											
512—BS170_D74Z TO-92 60 5000 1.7 0.5 0.83											
◆ 512—FDB3502 D2-Pak 75 47 11 14 41											
◆ 512—FDM53500 Power-56 75 14.5 34 49 96											
512—FDP032N08 TO-220 75 3.2 169 235 375											
512—FDP047N08 TO-220 75 4.7 117 164 268											
◆ 512—FDD16AN08A0 TO-252 75 16 31 50 135											
◆ 512—FDB031N08 TO-263 75 3.1 169 235 375											
◆ 512—FDP16AN08A0 TO-220 75 16 28 58 135											
◆ 512—FDP060AN08A0 TO-220 75 6 99 80 255											
◆ 512—FDP047AN08A0 TO-220 75 4 92 80 310											
◆ 512—FDH038AN08A1 TO-247 75 3 125 80 450											
◆ 512—FDB045AN08A0 TO-263 75 4 92 90 310											
◆ 512—FDM53572 Power 56 80 16 28 8.8 78											
◆ 512—FDS3580 SO-8 80 27 34 7.6 2.5											
◆ 512—FDS3572 SO-8 80 16 31 8.9 2.5											
◆ 512—FDC3512 SSOT-6 80 77 13 3 1.6											
◆ 512—FDS3512 SOIC-8 80 70 13 4 2.5											
512—HUF75545P3 TO-220 80 10 105 75 270											
◆ 512—FDM53662 Power-56 100 14.8 54 49 104											
512—FDP047N10 TO-220 100 4.7 160 164 375											
512—FDP150N10 TO-220 100 15 53 57 110											
◆ 512—FDM3622 Power 33 100 60 13 4.4 2.1											
◆ 512—FDM53672 Power 56 100 23 31 7.4 78											
◆ 512—FDS3692 SO-8 100 60 11 4.5 2.5											
◆ 512—FDS3682 SO-8 100 35 19 0.25 2.5											
◆ 512—FQT7N10LTF SOT-223 100 350 4.6 1.7 2											
◆ 512—FDC3616N SSOT-6 100 70 23 3.7 2											
◆ 512—FDC3612 SSOT-6 100 125 14 2.6 1.6											
512—FDP3682 TO-220 100 36 18.5 32 95											
512—FDP3652 TO-220 100 16 41 61 150											
512—FQP33N10 TO-220 100 52 38 33 127											
512—FDP3651U TO-220 100 18 49 80 255											
512—FDP090N10 TO-220 100 9000 89 75 208											
512—FDP3632 TO-220 100 9 84 80 310											
512—FDP100N10 TO-220 100 0 0 75 208											
◆ 512—FDD3672 TO-252 100 28 24 44 135											
◆ 512—FDB3682 TO-263 100 36 18.5 32 95											
◆ 512—FDB3652 TO-263 100 16 41 61 150											
◆ 512—FQB33N10TM TO-263 100 52 38 33 3.75											
◆ 512—FQB44N10TM TO-263 100 39 48 43.5 3.75											
512—FQA70N10 TO-3P 100 25 85 70 214											
◆ 512—FDS3672 SOIC-8 100 22 28 7.5 2.5											
◆ 512—FDT3612 SOT-223 100 120 14 3.7 3											
◆ 512—BSS123 SOT-23 100 6000 1.4 0.17 0.36											
512—FQP13N10 TO-220 100 180 12 12.8 65											
512—FQP13N10L TO-220 100 180 8.7 12.8 65											
512—HUF75639P3 TO-220 100 25 57 56 200											
512—HUF75645P3 TO-220 100 14 106 75 310											
512—HUF75639G3 TO-247 100 25 57 56 200											
512—HUF75652G3 TO-247 100 8 211 75 515											
◆ 512—FDB3632 TO-263 100 9 84 80 310											
◆ 512—FDM52572 Power 56 150 47 31 27 78											
◆ 512—FDS2572 SO-8 150 47 29 4.9 2.5											
512—FDP2572 TO-220 150 54 26 29 135											
512—FDP2532 TO-220 150 16 86 79 310											
512—FDP42AN15A0 TO-220 150 42 30 35 150											
512—FDP2552 TO-220 150 36 41 37 150											
◆ 512—FDD2572 TO-252 150 54 26 29 135											
◆ 512—FDD2582 TO-252 150 66 19 21 95											
◆ 512—FQD5N15TF TO-252 150 800 5.4 4.3 2.5											
◆ 512—FDB2572 TO-263 150 54 26 29 135											
◆ 512—FDB42AN15A0 TO-263 150 42 30 35 150											
512—FQA46N15 TO-3P 150 42 85 50 250											
◆ 512—FDC2512 SSOT-6 150 425 8 1.4 1.6											
◆ 512—FDB2532 TO-263 150 16 86 79 310											
512—FQA28N15 TO-3P 150 90 40 33 227											
512—FDP39N20 TO-220 200 66 38 39 251											
◆ 512—FQT4N20LTF SOT-223 200 1350 4 0.85 2.2											