

FAIRCHILD Rectifiers

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FAIRCHILD SEMICONDUCTOR SCHOTTKY BARRIER RECTIFIERS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

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| MOUSER STOCK NO. | Fairchild Part Number | Package | V _{RRM} (V) | I _{FAV} (A) | Price Each | | | |
|------------------|-----------------------|----------|----------------------|----------------------|------------|------|------|------|
| | | | | | 1 | 25 | 100 | 250 |
| Single | | | | | | | | |
| 512-1N5820 | 1N5820 | DO-201AD | 20 | 3 | .44 | .371 | .282 | .219 |
| 512-MBR0520L | MBR0520L | SOD-123 | 20 | 0.5 | .19 | .114 | .097 | .057 |
| 512-MBRS320 | MBRS320 | SMC | 20 | 3 | .56 | .48 | .429 | .33 |
| 512-SB120 | SB120 | DO-41 | 20 | 1 | .17 | .161 | .115 | .094 |
| 512-SB320 | SB320 | DO-201AD | 20 | 3 | .39 | .361 | .282 | .209 |
| 512-SB520 | SB520 | DO-201AD | 20 | 5 | .44 | .418 | .324 | .247 |
| 512-SS12 | SS12 | SMA | 20 | 1 | .26 | .257 | .188 | .157 |
| 512-SS22 | SS22 | SMB-2 | 20 | 2 | .35 | .323 | .251 | .19 |
| 512-SS32 | SS32 | SMC | 20 | 3 | .54 | .51 | .36 | .30 |
| 512-1N5818 | 1N5818 | DO-41 | 30 | 1 | .26 | .218 | .143 | .122 |
| 512-BAR43 | BAR43 | SOT-23 | 30 | 0.2 | .06 | .057 | .047 | .038 |
| 512-BAT54 | BAT54 | SOT-23 | 30 | 0.3 | .07 | .038 | .036 | .02 |
| 512-MBR0530 | MBR0530 | SOD-123 | 30 | 0.5 | .10 | .095 | .073 | .062 |
| 512-MBRS130L | MBRS130L | SMB | 30 | 1 | .28 | .238 | .209 | .161 |
| 512-SB530 | SB530 | DO-201AD | 30 | 5 | .44 | .418 | .324 | .247 |
| 512-SS13 | SS13 | SMA | 30 | 1 | .26 | .257 | .188 | .157 |
| 512-SS23 | SS23 | SMB | 30 | 2 | .35 | .342 | .228 | .19 |
| 512-SS33 | SS33 | SMC-2 | 30 | 3 | .54 | .51 | .36 | .30 |
| 512-1N5817 | 1N5817 | DO-41 | 40 | 1 | .25 | .219 | .143 | .104 |
| 512-1N5819 | 1N5819 | DO-41 | 40 | 1 | .25 | .219 | .143 | .104 |
| 512-1N5822 | 1N5822 | DO-201AD | 40 | 3 | .44 | .371 | .282 | .219 |
| 512-FYD0504SATM | FYD0504SATM | TO-252 | 40 | 5 | .52 | .44 | .38 | .36 |
| 512-FYV0704SMTF | FYV0704SMTF | SOT-23 | 40 | 0.75 | .19 | .171 | .157 | .133 |
| 512-MBR0540 | MBR0540 | SOD-123 | 40 | 0.5 | .10 | .095 | .073 | .062 |
| 512-MBRS140 | MBRS140 | SMB | 40 | 1 | .28 | .238 | .209 | .161 |
| 512-MBRS340 | MBRS340 | SMC | 40 | 3 | .35 | .304 | .267 | .259 |
| 512-SB140 | SB140 | DO-41 | 40 | 1 | .17 | .161 | .115 | .094 |
| 512-SB340 | SB340 | DO-201AD | 40 | 3 | .39 | .361 | .282 | .209 |
| 512-SB540 | SB540 | DO-201AD | 40 | 5 | .44 | .418 | .324 | .247 |
| 512-SS14 | SS14 | SMA | 40 | 1 | .31 | .24 | .187 | .154 |
| 512-SS24 | SS24 | SMB | 40 | 2 | .35 | .342 | .228 | .187 |
| 512-SS34 | SS34 | SMC | 40 | 3 | .54 | .51 | .36 | .30 |
| 512-MBR1045 | MBR1045 | TO-220AC | 45 | 10 | .96 | .819 | .69 | .581 |
| 512-MBR1645 | MBR1645 | TO-220AC | 45 | 16 | .83 | .735 | .673 | .657 |
| 512-MBR745 | MBR745 | TO-220AC | 45 | 7.5 | 1.02 | .904 | .69 | .581 |
| 512-RS1A | RS1A | SMA | 50 | 1 | .12 | .10 | .088 | .082 |
| 512-SB150 | SB150 | SIP-4 | 50 | 1 | .17 | .162 | .115 | .104 |
| 512-SB350 | SB350 | DO-201AD | 50 | 3 | .42 | .40 | .303 | .228 |
| 512-SB550 | SB550 | DO-201AD | 50 | 5 | .48 | .456 | .356 | .266 |
| 512-SS25 | SS25 | SMB | 50 | 2 | .39 | .361 | .282 | .209 |
| 512-SS35 | SS35 | SMC | 50 | 3 | .59 | .55 | .39 | .33 |
| 512-MBR760 | MBR760 | TO-220 | 60 | 7.5 | .96 | .695 | .56 | .546 |
| 512-MBR1060 | MBR1060 | TO-220AC | 60 | 10 | .71 | .63 | .577 | .563 |
| 512-MBR1660 | MBR1660 | TO-220AC | 60 | 16 | .81 | .713 | .653 | .637 |
| 512-SB160 | SB160 | DO-41 | 60 | 1 | .21 | .209 | .157 | .125 |
| 512-SB360 | SB360 | DO-201AD | 60 | 3 | .42 | .40 | .303 | .228 |
| 512-SB560 | SB560 | DO-201AD | 60 | 5 | .48 | .456 | .356 | .266 |
| 512-SS16 | SS16 | SMA | 60 | 1 | .26 | .219 | .167 | .136 |
| 512-SS26 | SS26 | SMB | 60 | 2 | .30 | .285 | .234 | .209 |

| MOUSER STOCK NO. | Fairchild Part Number | Package | V _{RRM} (V) | I _{FAV} (A) | Price Each | | | |
|----------------------------------|-----------------------|----------|----------------------|----------------------|------------|------|------|------|
| | | | | | 1 | 25 | 100 | 250 |
| Single (cont.) | | | | | | | | |
| 512-SS36 | SS36 | SMC | 60 | 3 | .59 | .55 | .39 | .33 |
| 512-SB180 | SB180 | DO-41 | 80 | 1 | .19 | .181 | .127 | .101 |
| 512-SB380 | SB380 | DO-201AD | 80 | 3 | .44 | .419 | .324 | .247 |
| 512-SS18 | SS18 | SMA | 80 | 1 | .26 | .219 | .167 | .136 |
| 512-SS28 | SS28 | SMB | 80 | 2 | .48 | .45 | .352 | .26 |
| 512-SB580 | SB580 | DO-201AD | 80 | 5 | .59 | .523 | .29 | .232 |
| 512-SS38 | SS38 | SMC | 80 | 3 | .74 | .69 | .49 | .41 |
| 512-SS29 | SS29 | SMB | 90 | 2 | .55 | .52 | .396 | .20 |
| 512-RS1B | RS1B | SMA | 100 | 1 | .12 | .10 | .088 | .082 |
| 512-S100 | S100 | SMA-2 | 100 | 1 | .39 | .323 | .238 | .17 |
| 512-S210 | S210 | SMB | 100 | 2 | .64 | .60 | .43 | .36 |
| 512-S310 | S310 | SMC | 100 | 3 | .85 | .79 | .57 | .48 |
| 512-SB1100 | SB1100 | DO-41 | 100 | 1 | .21 | .20 | .157 | .125 |
| 512-SB3100 | SB3100 | DO-201AD | 100 | 3 | .66 | .62 | .44 | .37 |
| 512-SB5100 | SB5100 | DO-201AD | 100 | 5 | .69 | .647 | .523 | .437 |
| 512-RS1D | RS1D | SMA | 200 | 1 | .12 | .10 | .088 | .082 |
| 512-RS1G | RS1G | SMA | 400 | 1 | .12 | .10 | .088 | .082 |
| 512-RS1J | RS1J | SMA | 600 | 1 | .13 | .11 | .099 | .088 |
| 512-RS1K | RS1K | SMA | 800 | 1 | .13 | .11 | .099 | .088 |
| 512-RS1M | RS1M | SMA | 1000 | 1 | .12 | .104 | .094 | .083 |
| Dual & Common Anode | | | | | | | | |
| 512-BAT54A | BAT54A | SOT-23 | 30 | 0.3 | .09 | .05 | .047 | .034 |
| Dual & Common Cathode | | | | | | | | |
| 512-BAR43C | BAR43C | SOT-23 | 30 | 0.2 | .08 | .076 | .062 | .041 |
| 512-FYV0203DNMTF | FYV0203DNMTF | SOT-23 | 30 | 0.2 | .09 | .085 | .073 | .067 |
| 512-BAT54AD87Z | BAT54AD87Z | SOT-23-3 | 30 | 0.3 | .06 | .05 | .038 | .033 |
| 512-BAT54C | BAT54C | SOT-23 | 30 | 0.3 | .09 | .05 | .044 | .03 |
| 512-BAT54CWT1G | BAT54CWT1G | SOT-323 | 30 | 0.2 | .08 | .066 | .057 | .038 |
| 512-MBR1535CT | MBR1535CT | TO-220AB | 35 | 15 | 1.20 | .695 | .486 | .391 |
| 512-FYP1004DNTU | FYP1004DNTU | TO-220 | 40 | 10 | .53 | .447 | .39 | .371 |
| 512-MBR1545CT | MBR1545CT | TO-220AB | 45 | 15 | .83 | .735 | .673 | .657 |
| 512-MBR2545CT | MBR2545CT | TO-220AB | 45 | 30 | 1.73 | 1.05 | .943 | .60 |
| 512-MBRP3045NTU | MBRP3045NTU | TO-220 | 45 | 30 | 7.1 | .61 | .51 | .43 |
| 512-MBR3045PT | MBR3045PT | TO-247 | 45 | 30 | 2.09 | 1.00 | .942 | .71 |
| 512-MBR4045PT | MBR4045PT | TO-247 | 45 | 40 | 2.63 | 1.21 | .914 | .911 |
| 512-MBR1560CT | MBR1560CT | TO-220AB | 60 | 15 | .83 | .646 | .594 | .558 |
| 512-FYP2006DNTU | FYP2006DNTU | TO-220 | 60 | 20 | .99 | .82 | .726 | .697 |
| 512-FYFP2006DNTU | FYFP2006DNTU | TO-220F | 60 | 20 | .99 | .83 | .735 | .697 |
| 512-MBR3060PT | MBR3060PT | TO-247 | 60 | 30 | 1.58 | 1.00 | .942 | .71 |
| 512-MBR4060PT | MBR4060PT | TO-247 | 60 | 40 | 2.63 | 1.21 | .914 | .911 |
| 512-FYP1010DNTU | FYP1010DNTU | TO-220 | 100 | 10 | .66 | .55 | .48 | .46 |
| 512-FYP2010DNTU | FYP2010DNTU | TO-220 | 100 | 20 | .67 | .56 | .49 | .47 |
| 512-FYFP2010DNTU | FYFP2010DNTU | TO-220F | 100 | 20 | .67 | .56 | .49 | .47 |
| 512-MBRP3010NTU | MBRP3010NTU | TO-220 | 100 | 30 | .88 | .75 | .63 | .525 |
| Dual Series | | | | | | | | |
| 512-BAR43S | BAR43S | SOT-23 | 30 | 0.2 | .13 | .085 | .073 | .038 |
| 512-BAT54S | BAT54S | SOT-23 | 30 | 0.3 | .09 | .05 | .044 | .03 |
| 512-BAT54SWT1G | BAT54SWT1G | SOT-323 | 30 | 0.2 | .08 | .066 | .057 | .038 |

FAIRCHILD SEMICONDUCTOR GENERAL PURPOSE RECTIFIERS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

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| MOUSER STOCK NO. | Fairchild Part Number | Package | V _{RRM} (V) | I _{FAV} (A) | V _{FM} (V) | Price Each | | | |
|------------------|-----------------------|----------|----------------------|----------------------|---------------------|------------|------|------|------|
| | | | | | | 1 | 25 | 100 | 250 |
| 512-1N4001 | 1N4001 | DO-41 | 50 | 1 | 1.1V | .07 | .06 | .038 | .024 |
| 512-GF1A | GF1A | SMA | 50 | 1 | 1V | .19 | .171 | .156 | .146 |
| 512-S1A | S1A | SMA | 50 | 1 | 1.1V | .18 | .14 | .096 | .066 |
| 512-1N5391 | 1N5391 | DO-15 | 50 | 1.5 | 1.4V | .06 | .057 | .041 | .031 |
| 512-S2A | S2A | SMB | 50 | 1.5 | 1.15V | .16 | .152 | .104 | .094 |
| 512-1N5400 | 1N5400 | DO-201AD | 50 | 3 | 1.2V | .24 | .209 | .143 | .11 |
| 512-S3A | S3A | SMC | 50 | 3 | 1.2V | .26 | .247 | .188 | .142 |
| 512-1N4002 | 1N4002 | DO-41 | 100 | 1 | 1.1V | .07 | .06 | .038 | .024 |
| 512-S1B | S1B | SMA | 100 | 1 | 1.1V | .18 | .14 | .096 | .066 |
| 512-1N5392 | 1N5392 | DO-15 | 100 | 1.5 | 1.4V | .06 | .057 | .041 | .031 |
| 512-S2B | S2B | SMB | 100 | 1.5 | 1.15V | .17 | .152 | .103 | .082 |
| 512-1N5401 | 1N5401 | DO-201AD | 100 | 3 | 1.2V | .24 | .209 | .143 | .11 |
| 512-S3B | S3B | SMC | 100 | 3 | 1.2V | .28 | .257 | .171 | .142 |
| 512-1N4003 | 1N4003 | DO-41 | 200 | 1 | 1.1V | .07 | .06 | .038 | .024 |
| 512-GF1D | GF1D | SMA | 200 | 1 | 1V | .19 | .171 | .128 | .101 |
| 512-S1D | S1D | SMA | 200 | 1 | 1.1V | .10 | .095 | .073 | .062 |
| 512-1N5393 | 1N5393 | DO-15 | 200 | 1.5 | 1.4V | .06 | .057 | .041 | .031 |
| 512-S2D | S2D | SMB | 200 | 1.5 | 1.15V | .17 | .152 | .115 | .094 |
| 512-1N5402 | 1N5402 | DO-201AD | 200 | 3 | 1.2V | .24 | .209 | .143 | .11 |
| 512-S3D | S3D | SMC | 200 | 3 | 1.2V | .26 | .247 | .188 | .142 |
| 512-1N5403 | 1N5403 | DO-201AD | 300 | 3 | 1.2V | .18 | .152 | .115 | .094 |
| 512-1N4004 | 1N4004 | DO-41 | 400 | 1 | 1.1V | .07 | .06 | .038 | .024 |
| 512-GF1G | GF1G | SMA | 400 | 1 | 1V | .19 | .171 | .156 | .146 |

| MOUSER STOCK NO. | Fairchild Part Number | Package | V _{RRM} (V) | I _{FAV} (A) | V _{FM} (V) |
|------------------|-----------------------|---------|----------------------|----------------------|---------------------|
|------------------|-----------------------|---------|----------------------|----------------------|---------------------|