

DIODES INC. Rectifiers

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Diodes & Rectifiers

Diodes Inc.

STANDARD RECTIFIERS

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Diodes Inc. Part No. | Package | Rectifying Current (A) | V _{RRM} (Max.) (V) | Max. Surge Current (A) | Forward Voltage (V) | Operating Temperature (°C) | Price Each | | |
|------------------|----------------------|----------|------------------------|-----------------------------|------------------------|---------------------|----------------------------|------------|------|------|
| | | | | | | | | 1 | 10 | 100 |
| 621-1N4001 | 1N4001-T | DO-41 | 1 | 50 | 30 | 1 | -65 to +175 | .13 | .118 | .042 |
| 621-1N4004 | 1N4004-T | DO-41 | 1 | 400 | 30 | 1 | -65 to +175 | .12 | .109 | .038 |
| 621-1N4007 | 1N4007-T | DO-41 | 1 | 1000 | 30 | 1 | -65 to +175 | .14 | .122 | .043 |
| 621-1N5404 | 1N5404-T | DO-201AD | 3 | 400 | 200 | 1 | -65 to +175 | .34 | .266 | .144 |
| 621-1N5408 | 1N5408-T | DO-201AD | 3 | 1000 | 200 | 1 | -65 to +175 | .34 | .266 | .144 |
| 621-6A1 | 6A1-T | D-6 | 6 | 100 | 400 | .90 | -65 to +175 | .41 | .343 | .209 |
| 621-6A4 | 6A4-T | D-6 | 6 | 400 | 400 | .90 | -65 to +175 | .41 | .343 | .209 |
| 621-6A10 | 6A10-T | D-6 | 6 | 1000 | 400 | .90 | -65 to +175 | .41 | .343 | .209 |
| 621-S8MC-13 | S8MC-13 | SMA | 8 | 1000 | 200 | .985 | -60 to +150 | .59 | .496 | .32 |
| 621-SBR1045SD1-T | SBR1045SD1-T | DO-201AD | 10 | 45 | 180 | .55 | -65 to +150 | .65 | .542 | .35 |

GLASS PASSIVATED RECTIFIERS

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Diodes Inc. Part No. | Package | Rectifying Current (A) | V _{RRM} (Max.) (V) | Max. Surge Current (A) | Forward Voltage (V) | Operating Temperature (°C) | Price Each | | |
|------------------|----------------------|---------|------------------------|-----------------------------|------------------------|---------------------|----------------------------|------------|------|------|
| | | | | | | | | 1 | 10 | 100 |
| 621-S1AB-F | S1AB-F | SMB | 1 | 50 | 30 | 1.1 | -65 to +150 | .40 | .283 | .13 |
| 621-S1BB-F | S1BB-F | SMB | 1 | 100 | 30 | 1.1 | -65 to +150 | .41 | .295 | .135 |
| 621-S1DB-F | S1DB-F | SMB | 1 | 200 | 30 | 1.1 | -65 to +150 | .38 | .264 | .11 |
| 621-S1GB-F | S1GB-F | SMB | 1 | 400 | 30 | 1.1 | -65 to +150 | .38 | .264 | .11 |
| 621-S1JB-F | S1JB-F | SMB | 1 | 600 | 30 | 1.1 | -65 to +150 | .35 | .227 | .097 |
| 621-S1MB-F | S1MB-F | SMB | 1 | 1000 | 30 | 1.1 | -65 to +150 | .39 | .301 | .163 |
| 621-S1A-F | S1A-F | SMA | 1 | 50 | 30 | 1 | -65 to +150 | .27 | .189 | .079 |
| 621-S1B-F | S1B-F | SMA | 1 | 100 | 30 | 1 | -65 to +150 | .49 | .317 | .136 |
| 621-S1D-F | S1D-F | SMA | 1 | 200 | 30 | 1 | -65 to +150 | .36 | .255 | .117 |
| 621-S1G-F | S1G-F | SMA | 1 | 400 | 30 | 1 | -65 to +150 | .37 | .261 | .12 |
| 621-S1J-F | S1J-F | SMA | 1 | 600 | 30 | 1 | -65 to +150 | .38 | .272 | .125 |
| 621-S1M-F | S1M-F | SMA | 1 | 1000 | 30 | 1 | -65 to +150 | .30 | .208 | .087 |
| 621-S2GA-F | S2GA-F | SMA | 1.5 | 400 | 50 | 1.15 | -65 to +150 | .34 | .266 | .144 |
| 621-S2MA-F | S2MA-F | SMA | 1.5 | 1000 | 50 | 1.15 | -65 to +150 | .40 | .31 | .168 |
| 621-S2B-F | S2B-F | SMB | 1.5 | 100 | 30 | 1.5 | -65 to +150 | .40 | .283 | .13 |
| 621-S2G-F | S2G-F | SMB | 1.5 | 400 | 30 | 1.5 | -65 to +150 | .35 | .243 | .101 |
| 621-S2M-F | S2M-F | SMB | 1.5 | 1000 | 30 | 1.5 | -65 to +150 | .34 | .266 | .144 |
| 621-S3BB-F | S3BB-F | SMB | 3 | 100 | 100 | 1.15 | -65 to +150 | .56 | .469 | .286 |
| 621-S3JB-F | S3JB-F | SMB | 3 | 600 | 100 | 1.15 | -65 to +150 | .68 | .527 | .34 |
| 621-S3KB-F | S3KB-F | SMB | 3 | 800 | 100 | 1.15 | -65 to +150 | .63 | .527 | .34 |
| 621-S3MB-F | S3MB-F | SMB | 3 | 1000 | 100 | 1.15 | -65 to +150 | .48 | .372 | .202 |
| 621-S3D-F | S3D-F | SMC | 3 | 200 | 100 | 1.15 | -65 to +150 | .60 | .505 | .308 |
| 621-S3G-F | S3G-F | SMC | 3 | 400 | 100 | 1.15 | -65 to +150 | .60 | .505 | .308 |
| 621-S3J-F | S3J-13-F | SMC | 3 | 600 | 100 | 1.15 | -65 to +150 | .36 | .279 | .151 |
| 621-S3M-F | S3M-13-F | SMC | 3 | 1000 | 100 | 1.15 | -65 to +150 | .48 | .372 | .202 |
| 621-S5AC-F | S5AC-13-F | SMC | 5 | 50 | 100 | 1.15 | -65 to +150 | .48 | .372 | .202 |
| 621-S5BC-F | S5BC-13-F | SMC | 5 | 100 | 100 | 1.15 | -65 to +150 | .48 | .372 | .202 |
| 621-S5DC-F | S5DC-13-F | SMC | 5 | 200 | 100 | 1.15 | -65 to +150 | .45 | .379 | .231 |
| 621-S5GC-F | S5GC-13-F | SMC | 5 | 400 | 100 | 1.15 | -65 to +150 | .48 | .372 | .202 |
| 621-S5JC-F | S5JC-13-F | SMC | 5 | 600 | 100 | 1.15 | -65 to +150 | .54 | .455 | .277 |
| 621-S5MC-F | S5MC-13-F | SMC | 5 | 1000 | 100 | 1.15 | -65 to +150 | .54 | .455 | .277 |

SCHOTTKY BARRIER RECTIFIERS

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Diodes Inc. Part No. | Package | Rectifying Current (A) | V _{RRM} (Max.) (V) | I _{FSM} (A) | Forward Voltage Drop | | Price Each | | |
|------------------|----------------------|--------------|------------------------|-----------------------------|----------------------|----------------------|----------------------|------------|------|------|
| | | | | | | V _F (V) | @ I _F (A) | 1 | 10 | 100 |
| 621-QSG0115UDJ-7 | QSG0115UDJ-7 | SOT-963-6 | 0.1 | 15 | 2 | 0.4 | 0.01 | .42 | .277 | .119 |
| 621-B0520LW-F | B0520LW-13-F | SOD-123 | 0.5 | 20 | 5.5 | 0.385 | 0.5 | .39 | .257 | .11 |
| 621-B0530WS-F | B0530WS-7 | SOD-323 | 0.5 | 30 | 2 | 0.45 | 0.5 | .38 | .268 | .123 |
| 621-B0530W-F | B0530W-13-F | SOD-123 | 0.5 | 30 | 5.5 | 0.43 | 0.5 | .39 | .257 | .11 |
| 621-B0540W-F | B0540W-13-F | SOD-123 | 0.5 | 40 | 5.5 | 0.51 | 0.5 | .38 | .264 | .11 |
| 621-DFLS120LQ7 | DFLS120LQ-7 | PowerDI™ 123 | 1 | 20 | 22 | 0.36 | 1 | .65 | .542 | .35 |
| 621-DFLS120L | DFLS120L-7 | PowerDI™ 123 | 1 | 20 | 22 | 0.36 | 1 | .43 | .361 | .22 |
| 621-1N5817 | 1N5817-T | DO-41 | 1 | 20 | 25 | 0.75 | 3 | .38 | .268 | .123 |
| 621-B120-F | B120-13-F | SMA | 1 | 20 | 30 | 0.5 | 1 | .44 | .288 | .123 |
| 621-B120B-F | B120B-13-F | SMB | 1 | 20 | 30 | 0.5 | 1 | .36 | .279 | .151 |
| 621-PD3S120L-7 | PD3S120L-7 | PowerDI™ 323 | 1 | 20 | 33 | 0.42 | 1 | .52 | .433 | .264 |
| 621-B130LAW-F | B130LAW-13-F | SOD-123 | 1 | 30 | 12 | 0.42 | 1 | .36 | .275 | .149 |
| 621-B130L-F | B130L-13-F | SMA | 1 | 30 | 25 | 0.41 | 1 | .42 | .326 | .176 |
| 621-B130-F | B130-13-F | SMA | 1 | 30 | 30 | 0.5 | 1 | .38 | .25 | .107 |
| 621-B130B-F | B130B-13-F | SMB | 1 | 30 | 30 | 0.5 | 1 | .42 | .297 | .137 |
| 621-DFLS130LQ7 | DFLS130LQ-7 | PowerDI™ 123 | 1 | 30 | 33 | 0.36 | 1.5 | .65 | .542 | .35 |
| 621-B130LB-F | B130LB-13-F | SMB | 1 | 30 | 40 | 0.4 | 1 | .39 | .302 | .164 |
| 621-1N5819HW-F | 1N5819HW-13-F | SOD-123 | 1 | 40 | 25 | 0.45 | 1 | .44 | .288 | .124 |
| 621-1N5819 | 1N5819-T | DO-41 | 1 | 40 | 25 | 0.9 | 3 | .34 | .266 | .144 |
| 621-B140-F | B140-13-F | SMA | 1 | 40 | 30 | 0.5 | 1 | .41 | .265 | .114 |
| 621-B140B-F | B140B-13-F | SMB | 1 | 40 | 30 | 0.5 | 1 | .46 | .327 | .15 |
| 621-B140HB-F | B140HB-13-F | SMB | 1 | 40 | 45 | 0.53 | 1 | .36 | .279 | .151 |
| 621-DFLS140LQ7 | DFLS140LQ-7 | PowerDI™ 123 | 1 | 40 | 50 | 0.55 | 1 | .65 | .542 | .35 |
| 621-B150-F | B150-13-F | SMA | 1 | 50 | 30 | 0.7 | 1 | .39 | .302 | .164 |
| 621-B160-F | B160-13-F | SMA | 1 | 60 | 30 | 0.7 | 1 | .38 | .25 | .107 |
| 621-B160B-F | B160B-13-F | SMB | 1 | 60 | 30 | 0.7 | 1 | .63 | .527 | .34 |
| 621-DFLS160Q7 | DFLS160Q-7 | PowerDI™ 123 | 1 | 60 | 50 | 0.5 | 1 | .65 | .542 | .35 |
| 621-DFLS160-F | DFLS160-7 | PowerDI™ 123 | 1 | 60 | 50 | 0.5 | 1 | .43 | .361 | .22 |
| 621-SB1100T | SB1100-T | DO-41 | 1 | 100 | 25 | 0.8 | 1 | .47 | .397 | .242 |
| 621-B1100-F | B1100-13-F | SMA | 1 | 100 | 30 | 0.79 | 1 | .35 | .27 | .146 |
| 621-B1100B-F | B1100B-13-F | SMB | 1 | 100 | 30 | 0.79 | 1 | .85 | .713 | .46 |
| 621-DFLS1200-F | DFLS1200-7 | PowerDI™ 123 | 1 | 100 | 40 | 0.77 | 1 | .58 | .487 | .297 |
| 621-B1100LB-F | B1100LB-13-F | SMB | 1 | 100 | 50 | 0.75 | 1 | .45 | .349 | .189 |
| 621-DFLS1200Q7 | DFLS1200Q-7 | PowerDI™ 123 | 1 | 200 | 22 | 0.85 | 1 | .65 | .542 | .35 |
| 621-DFLS140Q7 | DFLS140Q-7 | PowerDI™ 123 | 1.1 | 40 | 40 | 0.51 | 0.5 | .65 | .542 | .35 |
| 621-SDM2U20CSP-7 | SDM2U20CSP-7 | X3-WLB1608-2 | 2 | 20 | 20 | 0.47 | 2 | .37 | .288 | .156 |
| 621-DFLS220L-7 | DFLS220L-7 | PowerDI™ 123 | 2 | 20 | 40 | 0.42 | 2 | .67 | .558 | .36 |
| 621-B220-F | B220-13-F | SMB | 2 | 20 | 50 | 0.5 | 2 | .44 | .288 | .124 |
| 621-B220A-F | B220A-13-F | SMA | 2 | 20 | 50 | 0.5 | 2 | .46 | .327 | .15 |
| 621-DFLS230-7 | DFLS230-7 | PowerDI™ 123 | 2 | 30 | 22 | 0.49 | 2 | .63 | .527 | .34 |
| 621-MBR230S1F-7 | MBR230S1F-7 | SOD-123F-2 | 2 | 30 | 30 | 0.42 | 2 | .38 | .272 | .125 |
| 621-DFLS230L-7 | DFLS230L-7 | PowerDI™ 123 | 2 | 30 | 33 | 0.42 | 2 | .67 | .558 | .36 |
| 621-DFLS230Q7 | DFLS230Q-7 | PowerDI™ 123 | 2 | 30 | 40 | 0.49 | 2 | .65 | .542 | .35 |
| 621-B230-F | B230-13-F | SMB | 2 | 30 | 50 | 0.5 | 2 | .45 | .349 | .189 |
| 621-B230A-F | B230A-13-F | SMA | 2 | 30 | 50 | 0.5 | 2 | .46 | .327 | .15 |