

DIODES General Purpose and Schottky Diodes
Silicon and Glass Passivated Rectifiers (Cont.)



| Fig. | Max. Avg. Rectified Current (A) | Max. Peak Reverse Voltage (VRRM) | Max. Surge Current 8.3ms (A) | Max. Peak Forward Voltage (V) | Digi-Key Part No. | Cut Tape Pricing | | | | Digi-Key Part No. | Tape and Reel | | |
|--------------------------------------|-------------------------------------|----------------------------------|------------------------------|-------------------------------|-------------------|------------------|-------|-------|-----------------|-------------------|-----------------|----------|---------|
| | | | | | | 1 | 10 | 100 | 1,000 | | Qty. | Pricing | |
| 2 | 5.0 | 800 | 100 | 1.15 | S5KC-FDICT-ND | .55 | 4.36 | 32.71 | 188.35 | S5KC-FDITR-ND | 3,000 | 153.66/M | |
| | 5.0 | 1,000 | 100 | 1.15 | S5MC-FDICT-ND | .55 | 4.36 | 32.71 | 188.35 | S5MC-FDITR-ND | 3,000 | 153.66/M | |
| | 8.0 | 800 | 200 | 0.985 | S8KC-DICT-ND | .58 | 5.02 | 39.65 | 231.31 | S8KC-DITR-ND | 3,000 | 191.66/M | |
| | 8.0 | 1,000 | 200 | 0.985 | S8MCDICT-ND | .58 | 5.02 | 39.65 | 231.31 | S8MCDITR-ND | 3,000 | 191.66/M | |
| MELF (DO-41) — RoHS Compliant | | | | | | | | | | | | | |
| 3 | 1.0 | 50 | 30 | 1.1 | DL4001-FDICT-ND | .45 | 3.22 | 19.33 | 83.77 | DL4001-FDITR-ND | 5,000 | 58.00/M | |
| | 1.0 | 100 | 30 | 1.1 | DL4002-FDICT-ND | .58 | 3.93 | 18.50 | 69.39 | DL4002-FDITR-ND | 5,000 | 46.27/M | |
| | 1.0 | 200 | 30 | 1.1 | DL4003-FDICT-ND | .45 | 3.22 | 19.33 | 83.77 | DL4003-FDITR-ND | 5,000 | 58.00/M | |
| | 1.0 | 400 | 30 | 1.1 | DL4004-FDICT-ND | .45 | 3.22 | 19.33 | 83.77 | DL4004-FDITR-ND | 5,000 | 58.00/M | |
| | 1.0 | 600 | 30 | 1.1 | DL4005-FDICT-ND | .49 | 3.47 | 20.82 | 90.21 | DL4005-FDITR-ND | 5,000 | 62.46/M | |
| | 1.0 | 800 | 30 | 1.1 | DL4006-FDICT-ND | .35 | 2.48 | 14.87 | 64.44 | DL4006-FDITR-ND | 5,000 | 44.61/M | |
| 1.0 | 1,000 | 30 | 1.1 | DL4007-FDICT-ND | .49 | 3.47 | 20.82 | 90.21 | DL4007-FDITR-ND | 5,000 | 62.46/M | | |
| DO-15 — RoHS Compliant | | | | | | | | | | | | | |
| 4 | 1.5 | 400 | 50 | 1.1 | 1N5395G-TDICT-ND | .46 | 3.30 | 19.83 | 85.91 | 1N5395G-TDITR-ND | 4,000 | 66.09/M | |
| | 1.5 | 600 | 50 | 1.1 | 1N5397G-TDICT-ND | .46 | 3.30 | 19.83 | 85.91 | 1N5397G-TDITR-ND | 4,000 | 66.09/M | |
| | 2.0 | 800 | 70 | 1.0 | RL206DICT-ND | .35 | 2.47 | 14.80 | 64.12 | — | — | — | |
| | 2.0 | 50 | 65 | 1.1 | 2A01GDICT-ND | .40 | 2.81 | 16.85 | 73.03 | 2A01GDITR-ND | 4,000 | 56.18/M | |
| | 2.0 | 100 | 65 | 1.1 | 2A02GDICT-ND | .40 | 2.81 | 16.85 | 73.03 | 2A02GDITR-ND | 4,000 | 56.18/M | |
| | 2.0 | 200 | 65 | 1.1 | 2A03GDICT-ND | .40 | 2.81 | 16.85 | 73.03 | 2A03GDITR-ND | 4,000 | 56.18/M | |
| | 2.0 | 400 | 65 | 1.1 | 2A04GDICT-ND | .44 | 3.14 | 18.84 | 81.62 | 2A04GDITR-ND | 4,000 | 62.79/M | |
| | 2.0 | 600 | 65 | 1.1 | 2A05GDICT-ND | .43 | 3.06 | 18.34 | 79.47 | 2A05GDITR-ND | 4,000 | 61.14/M | |
| | 2.0 | 800 | 65 | 1.1 | 2A06GDICT-ND | .49 | 3.47 | 20.82 | 90.21 | 2A06GDITR-ND | 4,000 | 69.40/M | |
| | 2.0 | 1,000 | 65 | 1.1 | 2A07GDICT-ND | .40 | 2.79 | 18.59 | 83.64 | 2A07GDITR-ND | 4,000 | 66.92/M | |
| DO-201AD — RoHS Compliant | | | | | | | | | | | | | |
| 4 | 3.0 | 50 | 200 | 1.0 | 1N5400DICT-ND | .36 | 2.61 | 15.65 | — | — | — | — | |
| | 3.0 | 100 | 200 | 1.0 | 1N5401DICT-ND | .43 | 3.06 | 18.34 | — | 1N5401DITR-ND | 1,200 | 70.30/M | |
| | 3.0 | 200 | 200 | 1.0 | 1N5402DICT-ND | .43 | 3.06 | 18.34 | — | 1N5402DITR-ND | 1,200 | 70.30/M | |
| | 3.0 | 400 | 200 | 1.0 | 1N5404DICT-ND | .43 | 3.06 | 18.34 | — | 1N5404DITR-ND | 1,200 | 70.30/M | |
| | 3.0 | 600 | 200 | 1.0 | 1N5406DICT-ND | .43 | 3.06 | 18.34 | — | 1N5406DITR-ND | 1,200 | 70.30/M | |
| | 3.0 | 800 | 200 | 1.0 | 1N5407DICT-ND | .43 | 3.06 | 18.34 | — | 1N5407DITR-ND | 1,200 | 70.30/M | |
| | 3.0 | 1,000 | 200 | 1.0 | 1N5408DICT-ND | .43 | 3.06 | 18.34 | — | 1N5408DITR-ND | 1,200 | 70.30/M | |
| | 3.0 | 50 | 125 | 1.1 | 1N5400GDICT-ND | .43 | 3.39 | 23.20 | — | 1N5400GDITR-ND | 1,200 | 107.07/M | |
| | 3.0 | 100 | 125 | 1.1 | 1N5401GDICT-ND | .45 | 3.49 | 23.84 | — | 1N5401GDITR-ND | 1,200 | 110.04/M | |
| | 3.0 | 200 | 125 | 1.1 | 1N5402GDICT-ND | .46 | 3.63 | 24.81 | — | 1N5402GDITR-ND | 1,200 | 114.50/M | |
| | 3.0 | 400 | 125 | 1.1 | 1N5404GDICT-ND | .49 | 3.86 | 26.42 | — | 1N5404GDITR-ND | 1,200 | 121.94/M | |
| | 3.0 | 600 | 125 | 1.1 | 1N5406GDICT-ND | .54 | 4.19 | 28.67 | — | 1N5406GDITR-ND | 1,200 | 132.35/M | |
| | 3.0 | 800 | 125 | 1.1 | 1N5407GDICT-ND | .41 | 3.30 | 24.81 | — | 1N5407GDITR-ND | 1,200 | 127.80/M | |
| | 3.0 | 1,000 | 125 | 1.1 | 1N5408GDICT-ND | .46 | 3.67 | 27.53 | — | 1N5408GDITR-ND | 1,200 | 141.85/M | |
| R-6 — RoHS Compliant | | | | | | | | | | | | | |
| 5 | 6.0 | 50 | 400 | 0.9 | 6A05DICT-ND | .43 | 3.45 | 25.90 | — | 6A05DITR-ND | 500 | 86.33 | |
| | 6.0 | 100 | 400 | 0.9 | 6A1DICT-ND | .43 | 3.45 | 25.90 | — | 6A1DITR-ND | 500 | 86.33 | |
| | 6.0 | 200 | 400 | 0.9 | 6A2DICT-ND | .43 | 3.45 | 25.90 | — | 6A2DITR-ND | 500 | 86.33 | |
| | 6.0 | 400 | 400 | 0.9 | 6A4DICT-ND | .43 | 3.45 | 25.90 | — | 6A4DITR-ND | 500 | 86.33 | |
| | 6.0 | 600 | 400 | 0.9 | 6A6DICT-ND | .43 | 3.45 | 25.90 | — | 6A6DITR-ND | 500 | 86.33 | |
| | 6.0 | 800 | 400 | 0.9 | 6A8DICT-ND | .43 | 3.45 | 25.90 | — | 6A8DITR-ND | 500 | 86.33 | |
| | 6.0 | 1,000 | 400 | 0.9 | 6A10DICT-ND | .43 | 3.45 | 25.90 | — | 6A10DITR-ND | 500 | 86.33 | |
| | 10.0 | 50 | 600 | 1.0 | 10A01CT-ND | .60 | 5.18 | 40.89 | — | 10A01TR-ND | 500 | 136.31 | |
| | 10.0 | 100 | 600 | 1.0 | 10A02-TDICT-ND | .62 | 5.34 | 42.13 | — | 10A02-TDITR-ND | 500 | 140.44 | |
| | 10.0 | 400 | 600 | 1.0 | 10A04-TDICT-ND | .65 | 5.65 | 44.61 | — | 10A04-TDITR-ND | 500 | 148.70 | |
| | 10.0 | 600 | 600 | 1.0 | 10A05-TDICT-ND | .67 | 5.81 | 45.85 | — | 10A05-TDITR-ND | 500 | 152.83 | |
| | 10.0 | 1,000 | 600 | 1.0 | 10A07-TDICT-ND | .76 | 6.59 | 52.04 | — | 10A07-TDITR-ND | 500 | 173.48 | |
| | PowerDI™123 — RoHS Compliant | | | | | | | | | | | | |
| | 6 | 1.0 | 200 | 25 | 1.1 | DFLR1200DICT-ND | .48 | 3.41 | 22.72 | 102.23 | DFLR1200DITR-ND | 3,000 | 81.79/M |
| 1.0 | | 400 | 25 | 1.1 | DFLR1400DICT-ND | .48 | 3.41 | 22.72 | 102.23 | DFLR1400DITR-ND | 3,000 | 81.79/M | |
| 1.0 | | 600 | 25 | 1.1 | DFLR1600-7DICT-ND | .48 | 3.41 | 22.72 | 102.23 | DFLR1600-7DITR-ND | 3,000 | 81.79/M | |
| 1.0 | | 400 | 30 | 1.25 | DFLU1400DICT-ND | .48 | 3.41 | 22.72 | 102.23 | DFLU1400DITR-ND | 3,000 | 81.79/M | |
| PowerDI™5 — RoHS Compliant | | | | | | | | | | | | | |
| 7 | 3.0 | 400 | 100 | 1.15 | PDR3GDICT-ND | .55 | 4.71 | 37.17 | 216.85 | PDR3GDITR-ND | 5,000 | 167.29/M | |
| | 3.0 | 400 | 55 | 1.28 | PDU340DICT-ND | .85 | 7.58 | 60.22 | 368.03 | PDU340DITR-ND | 5,000 | 296.57/M | |
| | 4.0 | 200 | 125 | 1.25 | PDU420DICT-ND | .78 | 7.02 | 55.76 | 340.77 | PDU420DITR-ND | 5,000 | 275.10/M | |
| | 5.0 | 400 | 100 | 1.15 | PDR5GDICT-ND | .58 | 5.02 | 39.65 | 231.31 | PDR5GDITR-ND | 5,000 | 178.44/M | |
| | 5.0 | 400 | 125 | 1.25 | PDU540DICT-ND | 1.13 | 10.11 | 80.30 | 490.70 | PDU540DITR-ND | 5,000 | 395.71/M | |
| | 5.0 | 750 | 160 | 0.99 | PDR5K-13DICT-ND | .82 | 7.06 | 55.76 | 325.28 | PDR5K-13DITR-ND | 5,000 | 269.31/M | |
| | 6.0 | 200 | 150 | 0.975 | PDU620DICT-ND | 1.26 | 11.23 | 89.22 | 545.23 | PDU620DITR-ND | 5,000 | 439.49/M | |

◆ RoHS Compliant

Schottky Barrier Rectifiers

| Fig. | Max. Avg. Rectified Current (A) | Max. Peak Reverse Voltage (V) | Max. Surge Current 8.3ms (A) | Max. Rev. Current @ 25°C (mA) | Max. Peak Forward Voltage (V) | Digi-Key Part No. | Cut Tape Pricing | | | | Digi-Key Part No. | Tape and Reel | |
|-------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------|------------------|-------|-------|---------------|-------------------|---------------|----------|
| | | | | | | | 1 | 10 | 100 | 1,000 | | Qty. | Pricing |
| DO-41 — RoHS Compliant | | | | | | | | | | | | | |
| 1 | 1.0 | 20 | 25 | 1.0 | 0.45 | 1N5817DICT-ND | .36 | 2.83 | 19.33 | — | 1N5817DITR-ND | 5,000 | 76.83/M |
| | 1.0 | 20 | 40 | 1.0 | 0.55 | SR102DICT-ND | .39 | 3.02 | 20.69 | — | — | — | — |
| | 1.0 | 30 | 25 | 1.0 | 0.55 | 1N5818DICT-ND | .36 | 2.83 | 19.33 | — | 1N5818DITR-ND | 5,000 | 76.83/M |
| | 1.0 | 30 | 40 | 0.5 | 0.50 | SB130-TDICT-ND | .39 | 3.06 | 20.94 | — | SB130-TDITR-ND | 5,000 | 83.44/M |
| | 1.0 | 40 | 25 | 1.0 | 0.60 | 1N5819DICT-ND | .36 | 2.83 | 19.33 | — | 1N5819DITR-ND | 5,000 | 76.83/M |
| | 1.0 | 30 | 40 | 1.0 | 0.55 | SR103DICT-ND | .39 | 3.02 | 20.69 | — | — | — | — |
| | 1.0 | 50 | 40 | 1.0 | 0.70 | SR105DICT-ND | .41 | 3.22 | 22.07 | — | — | — | — |
| 1.0 | 100 | 25 | 0.5 | 0.80 | SB1100DICT-ND | .50 | 4.00 | 29.99 | — | SB1100DITR-ND | 5,000 | 131.77/M | |
| SMA — RoHS Compliant | | | | | | | | | | | | | |
| 2 | 1.0 | 20 | 30 | 0.5 | 0.50 | B120-FDICT-ND | .44 | 3.14 | 18.84 | — | B120-FDITR-ND | 5,000 | 56.51/M |
| | 1.0 | 30 | 30 | 0.5 | 0.50 | B130-FDICT-ND | .41 | 2.97 | 17.84 | — | B130-FDITR-ND | 5,000 | 53.54/M |
| | 1.0 | 30 | 25 | 1.0 | 0.41 | B130L-FDICT-ND | .42 | 3.30 | 22.55 | — | B130L-FDITR-ND | 5,000 | 89.64/M |
| | 1.0 | 40 | 30 | 0.5 | 0.50 | B140-FDICT-ND | .41 | 2.97 | 17.84 | — | B140-FDITR-ND | 5,000 | 53.54/M |
| | 1.0 | 50 | 30 | 0.5 | 0.70 | B150-FDICT-ND | .39 | 3.06 | 20.94 | — | B150-FDITR-ND | 5,000 | 83.23/M |
| | 1.0 | 60 | 30 | 0.5 | 0.70 | B160-FDICT-ND | .46 | 3.30 | 19.83 | — | B160-FDITR-ND | 5,000 | 59.48/M |
| | 1.0 | 70 | 30 | 0.5 | 0.79 | B170-FDICT-ND | .71 | 6.12 | 48.33 | — | B170-FDITR-ND | 5,000 | 217.47/M |

◆ RoHS Compliant † Tube ‡ Tested at ts10ms

Fig. 6 — PowerDI™ 123



Fig. 7 — PowerDI™ 5

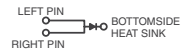
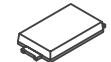


Fig. 8 — PowerDI® 323



Fig. 9 — POWERMITE® 3



(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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