

5. RECTIFIERS

IN ORDER OF (1) PIV, (2) MAX AVG FWD CURRENT
(3) TEMPERATURE, and (4) TYPE No.

| LINE No. | TYPE No. | PIV (V) | MAX AVG FWD DC CURRENT | | MAX RATINGS @ 25°C | | | MAXIMUM FORWARD VOLTAGE DROP | | | MAX. REVERSE CURRENT | | | AVALANCHE RATINGS | | DESCRIPTION | |
|----------|------------|---------|------------------------|-----------|--------------------|-----------------|-----------|------------------------------|-----------------------|--------------|--|--|-------------|------------------------------|-----------------|-------------|-----------------|
| | | | I _o (A) | TEMP (°C) | PEAK 1 Cy (A) | PULSE WIDTH (s) | DISS. (W) | MAX. TEMP (°C) | at I _f (V) | at TEMP (°C) | I _r @ 25°C & V _r (A) | I _r at T & V _r (A) | TEMP T (°C) | TEST VOLT V _r (V) | MAX V BKDN. (V) | | MIN SLOPE (A/V) |
| | | | | | | | | | | | | | | | | | |
| 1 | NS2007 | 700 | 2.0 | | 200 | 8.3m | | 1.2 | 2.0 | | 25u | | 700 | | | D027 | |
| 2 | 200R7B | 700 | 2.0 | 25 | 60 | | 175 | 2.0 | 2.0 | | 5.0u | 50m | 150 | | | Si A1ep | |
| 3 | M2H1 | 700 | 2.0 | 25 | 250 | | 175A | .50 | | | 2.0u | 5.0m | 150 | | | Si A1ep | |
| 4 | M2H5 | 700 | 2.0 | 25 | 250 | | 175A | .50 | | | 150 | 10u | 5.0m | 150 | | Si A1ep | |
| 5 | M2H9 | 700 | 2.0 | 25 | 250 | | 175A | .50 | | | 150 | 10u | 5.0m | 150 | | Si A1ep | |
| 6 | DS0.9-07A | 700 | 2.0 | 45A | 50 | 10m | 150J | 1.2 | 3.0 | | | 1.0m | 150J | 700 | 840 | 200u | Si M841 |
| 7 | B8H5 | 700 | 2.0 | 50 | 90 | 8.3m | 175A | 1.0 | 2.0 | | 25A | 5.0u | 500u | 150 | | Si A1rx | |
| 8 | B172-70 | 700 | 2.0 | 50 | 60 | | 150C | 2.0 | 2.0 | | 25 | 5.0u | .50m | 100 | | Si A1bc | |
| 9 | K8H5 | 700 | 2.0 | 50 | 60 | | 150C | 2.0 | 2.0 | | 25 | 5.0u | .50m | 100 | | Si A9p | |
| 10 | LAB1000 | 700 | 2.0 | 50A | 80 | | 150C | 1.0 | 2.0 | | 25A | 15u | 1.0m | 150J | 700 | 1.0k | Si A1bc |
| 11 | DS1.2-07A | 700 | 2.3 | 45A | 60 | 10m | 150J | 1.3 | 6.0 | | 25J | 5.0u | 1.0m | 150J | 700 | | Si A9p |
| 12 | 250R7B | 700 | 2.5 | 25 | 250 | | 175 | 2.0 | 2.5 | | 25 | 10u | 1.0m | 150 | | | Si A1ep |
| 13 | M3H1 | 700 | 2.5 | 25 | 250 | | 175A | .50 | | | 150 | 2.0u | 5.0m | 150 | | | Si A1ep |
| 14 | M3H5 | 700 | 2.5 | 25 | 250 | | 175A | .50 | | | 150 | 10u | 5.0m | 150 | | | Si A1ep |
| 15 | M3H9 | 700 | 2.5 | 25 | 250 | | 175A | .50 | | | 150 | 10u | 5.0m | 150 | | | Si A1ep |
| 16 | DS1.8-07A | 700 | 2.5 | 100C | 60 | 10m | 150J | 1.3 | 6.0 | | 25 | 1.0u | 1.0m | 150J | 700 | | Si M71b |
| 17 | 1N2531 | 700 | 2.5 | 150C | 50 | | 150C | 1.2 | 4.0 | | 25C | 4.0u | .50m | 150C | 700 | | Si D010 |
| 18 | 1N2542 | 700 | 2.5 | 150C | 50 | | 150C | 1.0 | 4.0 | | 25C | 1.0u | 1.0m | 150C | 700 | | Si D010 |
| 19 | 1N2553 | 700 | 2.5 | 150C | 50 | | 150C | 1.5 | 4.0 | | 25C | 10u | 1.0m | 150C | 700 | | Si D010 |
| 20 | BY228 | 700 | 2.5 | 150C | 50 | | 150C | 1.5 | 2.5 | | 25C | 10u | 1.0m | 150C | 700 | | Si D04 |
| 21 | NS3007 | 700 | 3.0 | | 300 | 8.3m | | 1.2 | 3.0 | | 25u | | 700 | | | Si A1eg | |
| 22 | S3A7 | 700 | 3.0 | | 300 | | | 1.0 | | | 10u | | 700 | | | Si A1ey | |
| 23 | 300R7B | 700 | 3.0 | 25 | 250 | | 175 | 1.0 | 3.0 | | 25 | 10u | 150 | | | Si A1ey | |
| 24 | LAC1000 | 700 | 3.0 | 25A | 300 | | 150C | 1.0 | 3.0 | | 25A | 45u | | | | | Si A1ey |
| 25 | M4H1 | 700 | 3.0 | 25 | 250 | | 175A | .50 | | | 150 | 2.0u | 5.0m | 150 | | | Si A1ep |
| 26 | M4H5 | 700 | 3.0 | 25 | 250 | | 175A | .50 | | | 150 | 10u | 5.0m | 150 | | | Si A1ep |
| 27 | M4H9 | 700 | 3.0 | 25 | 250 | | 175A | .50 | | | 150 | 10u | 5.0m | 150 | | | Si A1ep |
| 28 | DS2-07A | 700 | 3.0 | 45A | 100 | 10m | 150J | 1.25 | 7.0 | | | 1.0m | 150J | 700 | | | Si A9c |
| 29 | 398P | 700 | 3.0 | 50A | 200 | 8.3m | 170A | 1.0 | 3.0 | | 25A | 10u | 500u | 150A | 700 | | Si A32d |
| 30 | LR703 | 700 | 3.0 | 50A | 200 | 8.3m | 170A | 1.0 | 3.0 | | | 10u | 100u | 150A | 700 | | Si A52d |
| 31 | 1N3366 | 700 | 3.0 | 55C | 30 | 8.3m | 200C | 1.0 | 1.0 | | 55C | 100u | 100u | 55C | 700 | | Si S505 |
| 32 | S57 | 700 | 3.0 | 80 | 20 | | | 1.3 | | | 5 | | | | | | Si S48 |
| 33 | S7BR2 | 700 | 3.0 | 95B | 53 | 20m | | 130B | 550m | | 5.5 | 25 | 2.0m | 125 | 700 | | Si S81 |
| 34 | E2M3 | 700 | 3.0 | 150 | 200 | | 175 | 1.3 | 3.0 | | 150 | 10u | 1.0m | 150 | | | Si D04 |
| 35 | 350R7B | 700 | 3.5 | 25 | 250 | | 175 | 2.0 | 3.0 | | 25 | 10u | 1.0m | 150 | | | Si S82a |
| 36 | 1N1924 | 700 | 4.0 | 25 | 30 | 16m | 250 | 1.0 | 1.0 | | | | | | | | Si |
| 37 | 400R7B | 700 | 4.0 | 25 | 250 | | 175 | 2.0 | 4.0 | | 25 | 10u | 1.0m | 150 | | | Si |
| 38 | 450R7B | 700 | 4.5 | 25 | 250 | | 175 | 2.0 | 4.5 | | 25 | 10u | 1.0m | 150 | | | Si |
| 39 | 500R7B | 700 | 5.0 | 25 | 250 | | 175 | 2.0 | 5.0 | | 25 | 10u | 1.0m | 150 | | | Si |
| 40 | M5H5 | 700 | 5.0 | 55A | 300 | | 175A | 1.1 | 5.0 | | 50 | 25u | | 700 | | | Si A1ep |
| 41 | E3M3 | 700 | 5.0 | 150 | 200 | | 175 | 1.3 | 5.0 | | 150 | 10u | 1.0m | 150 | | | Si D04 |
| 42 | F1M3 | 700 | 5.0 | 150C | 200 | | 175J | 1.3 | 30 | | 25C | | 1.0m | 150C | 700 | | Si D05 |
| 43 | 550R7B | 700 | 5.5 | 25 | 250 | 8.3m | 175 | 2.0 | 5.5 | | 25 | 10u | 1.0m | 150 | | | Si |
| 44 | NS6007 | 700 | 6.0 | | 300 | | | 1.2 | | | | 25u | | 700 | | | Si |
| 45 | 600R7B | 700 | 6.0 | 25 | 250 | | 175 | 2.0 | 6.0 | | 25 | 10u | 1.0m | 150 | | | Si |
| 46 | R250-F | 700 | 6.0 | 40A | 400 | 8.3m | 175A | 1.0 | 6.0 | | 25J | 10u | | 700 | | | Si A386 |
| 47 | 1N2557 | 700 | 6.0 | 150C | 150 | | 150C | 1.2 | 10 | | 25C | 4.0u | 50m | 150C | 700 | | Si D010 |
| 48 | 1N2561 | 700 | 6.0 | 150C | 150 | | 150C | 1.0 | 10 | | 25C | 1.0u | 10m | 150C | 700 | | Si D010 |
| 49 | 1N2572 | 700 | 6.0 | 150C | 150 | | 150C | 1.5 | 10 | | 25C | 10u | 1.0m | 150C | 700 | | Si D010 |
| 50 | 1N3987 | 700 | 6.0 | 150C | 150 | | 150 | 1.5 | | | | 1.0m | 150 | | | | Si D04 |
| 51 | 6A700 | 700 | 6.0 | 150C | 150 | | 200J | 1.4 | 1.0 | | 6.0 | 25C | 90m | 150C | 700 | | Si D04 |
| 52 | E4M3 | 700 | 6.0 | 150 | 200 | | 175 | 1.3 | 6.0 | | 150 | 10u | 1.0m | 150 | | | Si D04 |
| 53 | HSE7007-RT | 700 | 6.3 | 25 | 100 | 8.3m | 175C | 750m | 10 | | 150C | 75u | 2.0m | 150C | 490 | | Si D04 |
| 54 | HSE7017-RT | 700 | 7.6 | 25 | 150 | 8.3m | 175C | 900m | 10 | | 150C | 100u | 3.0m | 150C | 490 | | Si D04 |
| 55 | E5M3 | 700 | 8.0 | 150 | 200 | | 175 | 1.3 | 8.0 | | 150 | 10u | 1.0m | 150 | | | Si D04 |
| 56 | DS6-07A | 700 | 10 | 45A | 140 | 10m | 150J | 1.6 | 30 | | | 2.0 | 150J | 700 | | | Si S344 |
| 57 | E6M3 | 700 | 10 | 150 | 200 | | 175 | 1.3 | 10 | | 150 | 10u | 1.0m | 150 | | | Si D04 |
| 58 | F2M3 | 700 | 10 | 150C | 200 | | 175J | 1.3 | 30 | | 25C | | 1.0m | 150C | 700 | | Si D05 |
| 59 | DS9-07A | 700 | 11 | 45A | 200 | 10m | 150J | 1.4 | 36 | | | 2.0m | 150J | 700 | | | Si S344 |
| 60 | D8-700B | 700 | 12 | 85C | 120 | 10m | 140J | 1.5 | 25 | | 25J | 1.0m | 3.7m | 140J | 700 | | Si M346 |
| 61 | D8-700C | 700 | 12 | 85C | 120 | 10m | 140J | 1.5 | 25 | | 25J | 1.0m | 3.7m | 140J | 700 | | Si S14r |
| 62 | 1N3670 | 700 | 12 | 100C | 200 | | 190A | 2.05 | 12 | | | 3.0m | 150C | 700 | | | Si D04 |
| 63 | 1N3670A | 700 | 12 | 100C | 240 | | 200A | 1.35 | 12 | | | 900u | 150C | 700 | | | Si D04 |
| 64 | 1N2583 | 700 | 12 | 150C | 250 | | 150C | 1.2 | 20 | | 25C | 8.0u | 1.0m | 150C | 700 | | Si D010 |
| 65 | 1N2594 | 700 | 12 | 150C | 250 | | 150C | 1.0 | 12 | | | 2.0u | 20m | 150C | 700 | | Si D010 |
| 66 | 1N2605 | 700 | 12 | 150C | 250 | | 150C | 1.5 | 20 | | 25C | 20u | 2.0m | 150C | 700 | | Si D010 |
| 67 | 1N4012 | 700 | 12 | 150C | 200 | | 175A | 1.3 | 12 | | 150A | 10u | 50m | 150A | 700 | | Si D04 |
| 68 | 12A700 | 700 | 12 | 150C | 240 | | 200J | 1.35 | 12 | | 25C | .90m | 150C | 700 | | | Si D04 |
| 69 | E7M3 | 700 | 12 | 150 | 200 | | 175 | 1.3 | 12 | | 150 | 10u | 1.0m | 150 | | | Si D04 |
| 70 | 368P | 700 | 15 | 125C | 240 | 8.3m | 180J | 1.3 | 15 | | 25C | | 2.0m | 130C | 700 | | Si D04 |
| 71 | S2070 | 700 | 16 | 126C | 200 | 8.3m | 190J | 1.3 | 30 | | 25C | | 1.0m | 150C | 700 | | Si A488 |
| 72 | S7BR8 | 700 | 18 | 120B | 188 | | 140B | 60 | 18 | | 25 | 10m | 125 | 700 | | | Si S122a |
| 73 | HSE8057-RT | 700 | 22 | 25 | 250 | 8.3m | 175C | 750m | 20 | | 150C | | 3.5m | 150C | 490 | | Si D05 |
| 74 | HSE8067-RT | 700 | 22 | 25 | 350 | 8.3m | 175C | 950m | 35 | | 150C | | 4.5m | 150C | 490 | | Si D05 |
| 75 | S2170 | 700 | 22 | 131C | 250 | 8.3m | 190J | 1.2 | 30 | | 25C | | 1.0m | 150C | 700 | | Si A488 |
| 76 | DS17-07A | 700 | 25 | 45A | 250 | 10m | 180J | 1.36 | 55 | | | 2.0m | 180J | 700 | | | Si S4v |
| 77 | DS17-07A | 700 | 25 | 100C | 250 | 10m | 180A | 1.36 | 55 | | 25J | 10u | 2.0m | 180J | 700 | | Si S4v |
| 78 | J527-7A | 700 | 25 | 100C | 300 | 8.3m | 175C | 1.0 | 3.0 | | 25C | 25u | 250u | 100C | 700 | | Si M947a* |
| 79 | J527-7C | 700 | 25 | 100C | 300 | 8.3m | 175C | 1.0 | 3.0 | | 25C | 25u | 250u | 100C | 700 | | Si M947b* |
| 80 | J527-7D | 700 | 25 | 100C | 300 | 8.3m | 175C | 1.0 | 3.0 | | 25C | 25u | 250u | 100C | 700 | | Si M947* |
| 81 | TJ132-7A | 700 | 25 | 100C | 300 | 8.3m | 175A | 1.2 | 15 | | 25A | 25u | 250u | 100A | 700 | | Si C199a |
| 82 | TJ132-7C | 700 | 25 | 100C | 300 | 8.3m | 175A | 1.2 | 15 | | 25A | 25u | 250u | 100A | 700 | | Si C199 |
| 83 | TJ132-7D | 700 | 25 | 100C | 300 | 8.3m | 175A | 1.2 | 15 | | 25A | 25u | 250u | 100A | 700 | | Si C199b |
| 84 | F3M3 | 700 | 30 | 124C | 300 | | 190C | 1.3 | 90 | | 25C | | 1.0m | 150C | 700 | | Si D05 |
| 85 | S3170 | 700 | 30 | 124C | 300 | 8.3m | 190J | 1.3 | 90 | | 25C | | 1.0m | 150C | 700 | | Si A488a |
| 86 | G3M3 | 700 | 30 | 150C | 1.5k | | 175J | 1.3 | 200 | | 25C | | 5.0m | 150C | 700 | | Si D08 |
| 87 | DS22-07A</ | | | | | | | | | | | | | | | | |