

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 | | | TEST | | AVALANCHE RATINGS | | DESCRIPTION | DWG. No. | |
|----------|------------|---------|------------------------|-----------|--------------------|-------------|-------|------------------------------|----------------|-------------------|----------------------|-----------------------|----------------------------------|--------|----------------|-------------------|-----------|-------------|----------|-------|
| | | | 2 I _o | 3 at TEMP | PEAK 1 Cy | PULSE WIDTH | DISS. | MAX. TEMP | V _f | at I _f | at TEMP | I _r @ 25°C | I _r at V _r | TEMP T | V _o | V _o | MIN SLOPE | | | |
| | | | (A) | (°C) | (A) | (s) | (W) | (°C) | (V) | (A) | (°C) | (A) | (A) | (°C) | (V) | (V) | (A/V) | | | |
| 1 | F5G3 | 400 | 45 | 122C | 700 | | | | | 190C | 1.15 | 90 | 25C | 2.0m | 150C | 400 | 480 ∅ | Si | D05 | |
| 2 | S3440 | 400 | 45 | 122C | 700 | 8.3m | | | | 190J | 1.15 | 90 | 25C | 2.0m | 150C | 400 | | Si | S488b | |
| 3 | 1N1465 | 400 | 50 | | | | | | | 190J | 1.5 | 50 | 25J | 5.0m | | | | Si | M56c | |
| 4 | 1N2789 | 400 | 50 | 40A | 600 | | | | | 175C | 1.5 | 100 | 25C | 2.0m | 150C | 400 | | Si | D05 | |
| 5 | ST5A40 | 400 | 50 | 55A | 1.0k | | | | | 190J | 1.2 | 50 | 25A | 5.0m | 25A | 400 | | Si | D05 | |
| 6# | SKN4F40/04 | 400 | 50 | 77C | 800 | 10m | | | | 130J | 1.85 | 150 | 25J | 200u | 130J | 400 | | Si | D05 | |
| 7# | 1S932 | 400 | 50 | 79 | 1.1k | 20m | | | | 150J | 1.05 | 50 | 25 | 200u | | 400 | | Si | S50b | |
| 8# | SKN45/04 | 400 | 50 | 100C | 700 | 10m | | | | 180J | 1.6 | 150 | 25J | 300u | | 280 | | Si | S171y | |
| 9 | 1N3969 | 400 | 50 | 120C | 600 | | 7.0 ∅ | | | 150A | .60 | 60 | 25A | | | 400 | 650 | Si | D05A# | |
| 10 | 1N1684 | 400 | 50 | 150C | 700 | 8.3m | | | | 165C | 1.2 | 1.1 | 150C | 2.5m | 150C | 400 | | Si | S8a | |
| 11 | MR5040 | 400 | 50 | 150C | 600 | | | | | 195J | 1.18 | 157 | 25J | 2.0m | 150C | 400 | | Si | M80b | |
| 12# | D34/400B | 400 | 54 | 88C | 550 | 10m | | | | 150J | 1.5 | 100 | 25J | 15m | 150J | 400 | | Si | S493a | |
| 13# | D34/400C | 400 | 54 | 88C | 550 | 10m | | | | 150J | 1.5 | 100 | 25J | 15m | 150J | 400 | | Si | S493 | |
| 14# | S4BN55 | 400 | 55 | 120B | 935 | 10m | | | | 150J | 1.25 | 170 | | 8.0m | | 400 | | Si | S323 | |
| 15# | S4GN55 | 400 | 55 | 120B | 935 | 10m | | | | 150J | 1.25 | 170 | | 8.0m | | 400 | | Si | S322 | |
| 16# | DS42-04A | 400 | 60 | 45A | 800 | 10m | | | | 150J | 1.7 | 200 | | 4.0 | 150J | 400 | | Si | S408d | |
| 17 | 1N2465 | 400 | 60 | 60C | 450 | | | | | 175B | 1.1 | 30 | 25 | 5.0m | 150B | 400 | | Si | D05 | |
| 18# | SB401K | 400 | 60 | 85C | 600 | | | | | 150S | 1.7 | 210 | 25C | 200u | 3.0m | 150J | 400 | | Si | S439 |
| 19# | SBT401K | 400 | 60 | 85C | 600 | | | | | 150S | 1.7 | 210 | 25C | 200u | 3.0m | 150J | 400 | | Si | S437 |
| 20# | RG604 | 400 | 60 | 100C | 1.0k | 10m | 70 | | | 150J | 1.6 | 150 | 25C | | 20m | 150J | 400 | | Si | D05 |
| 21# | RG604T | 400 | 60 | 100C | 1.0k | 10m | 70 | | | 150J | 1.6 | 150 | 25C | | 20m | 150C | 400 | | Si | |
| 22# | 25G40 | 400 | 60 | 112B | 850 | 10m | 60 | | | 190B | .55 | 25 | 25A | | | 400 | | Si* | D05 | |
| 23 | 1N2135 | 400 | 60 | 115C | 700 | | | | | 175C | 1.4 | 80 | 15C | | | 400 | | Si | D05 | |
| 24 | R4040460 | 400 | 60 | 125C | 1.0k | | | | | 200C | 1.7 | 80 | 25J | 100u | 10m | 115C | 400 | | Si | D05 |
| 25# | 20M40 | 400 | 60 | 126B | 1.0k | 10m | | | | 175A | 1.5 | 180 | 175J | | 10m | 140C | 400 | | Si | S4t |
| 26 | 1N2135A | 400 | 60 | 140C | 900 | | | | | 200C | 1.3 | 60 | 140C | | 10m | 140C | 400 | | Si | D05 |
| 27 | ST11-40 | 400 | 70 | 90C | 800 | | 90 | | | 190J | 1.5 | | | | | | 400 | | Si | S187d |
| 28 | 1N4137 | 400 | 70 | 100C | 750 | | | | | 175C | 1.6 | 70 | 100C | | | | 400 | | Si | D05 |
| 29# | BYX34/400 | 400 | 70 | 100B | 1.0k | 10m | 30 | | | 150J | 1.7 | 250 | 150J | | | | 400 | 770 | Si | S12c |
| 30# | 70HG40 | 400 | 70 | 120B | 1.1k | 10m | | | | 200J | 3.0 | 1.0k | 25 | 25m | | | 400 | | Si | D05 |
| 31# | 72HG40 | 400 | 70 | 120B | 1.1k | 10m | | | | 200J | 3.0 | 1.0k | 25 | 25m | | | 400 | | Si | S423 |
| 32# | M71-400 | 400 | 70 | 120C | 1.0k | 10m | | | | 150S | 1.2 | 210 | 25C | 200u | 5.0m | 150C | 400 | | Si | S438 |
| 33# | S4GN71 | 400 | 70 | 120B | 1.2k | 10m | | | | 150J | 1.25 | 220 | | | 8.0m | | 400 | | Si | S322 |
| 34 | R4040470 | 400 | 70 | 125C | 1.2k | | | | | 200C | 1.7 | 70 | 25J | 100u | | | 400 | | Si | D05 |
| 35 | F8G3 | 400 | 70 | 138C | 1.2k | | | | | 190C | 1.25 | 200 | 25C | | 2.0m | 150C | 400 | | Si | D05 |
| 36 | S3640 | 400 | 70 | 138C | 1.2k | 8.3m | | | | 190J | 1.25 | 200 | 25C | | 2.0m | 150C | 400 | | Si | S488b |
| 37# | 70HA40 | 400 | 70 | 140B | 1.0k | | | | | 200A | 3.0 | 900 | 25J | | 10u | 140J | 400 | 500 ∅ | Si | D05 |
| 38# | 70HF40 | 400 | 70 | 140B | 1.0k | | | | | 200A | 3.0 | 900 | 25J | | 10u | 140J | 400 | | Si | D05 |
| 39# | 71HA40 | 400 | 70 | 140B | 1.0k | | | | | 200A | 3.0 | 900 | 25J | | 10u | 140J | 400 | 500 ∅ | Si | S466 |
| 40# | 71HF40 | 400 | 70 | 140B | 1.0k | | | | | 200A | 3.0 | 900 | 25J | | 10u | 140J | 400 | | Si | S466 |
| 41 | 1N1401 | 400 | 70 | 150C | 1.2k | | | | | 190J | 1.25 | 70 | 150C | | 30m | 150C | 400 | | Si | S14b |
| 42 | 1AG3 | 400 | 70 | 150C | 4.0k | | | | | 175J | 1.2 | 300 | 25C | | 10m | 150C | 400 | | Si | D09 |
| 43# | S4GN72 | 400 | 70 | 200B | 700 | 10m | | | | 250J | 1.2 | 220 | | | 6.0m | | 400 | | Si | S322 |
| 44 | 40JH3 | 400 | 72 | | 150 | 4.0m | | | | 100A | 1.2 | | | | | | | | Si | S11f |
| 45 | 1N1469 | 400 | 75 | | | | | | | 190J | 1.5 | 75 | 25J | 50m | | | | Si | M56c | |
| 46# | DS80-04A | 400 | 80 | 45A | 1.8k | 10m | | | | 150J | 1.4 | 350 | 150J | 40u | 6.0m | 150J | 400 | | Si | S408e |
| 47# | DS180-04A | 400 | 80 | 45A | 1.8k | 10m | | | | 150J | 1.4 | 350 | 150J | 40u | 6.0m | 150J | 400 | | Si | S408e |
| 48# | 8DN40 | 400 | 80 | 95C | 1.2k | 10m | | | | 150J | 1.5 | 314 | 80C | 5.0m | 25m | 95C | 400 | | Si | S96d |
| 49# | FD80A8 | 400 | 80 | 124C | 1.6k | 8.3m | | | | 150J | 1.15 | 250 | 25C | | 6.0m | 150J | 400 | | Si | M849 |
| 50# | D80-400 | 400 | 85 | 96C | 1.1k | 10m | | | | 150J | 1.7 | 200 | 25J | 20u | 6.0m | 150J | 400 | | Si | S171g |
| 51 | 70H40 | 400 | 85 | 115C | 1.5k | 8.3m | | | | 200J | 1.45 | 267 | 115C | | 10m | 115C | 400 | | Si* | D05 |
| 52 | 70H40A | 400 | 85 | 115C | 1.5k | 8.3m | | | | 200J | 1.45 | 267 | 115C | | 10m | 115C | 400 | | Si* | D05 |
| 53# | DS75-04B | 400 | 85 | 115C | 1.2k | 10m | | | | 180J | 1.15 | 200 | 25J | | 2.0m | 150C | 400 | | Si | S465e |
| 54# | DS75-04B | 400 | 85 | 115C | 1.2k | 10m | | | | 180J | 1.15 | 200 | 25J | | 2.0m | 150C | 400 | | Si | S465d |
| 55 | F7G3 | 400 | 85 | 132C | 1.5k | | | | | 190C | 1.15 | 200 | 25C | | 2.0m | 150C | 400 | | Si | D05 |
| 56 | S3740 | 400 | 85 | 132C | 1.5k | 8.3m | | | | 190J | 1.15 | 200 | 25C | | 2.0m | 150C | 400 | | Si | S488b |
| 57# | S4BN71 | 400 | 90 | 100B | 1.2k | 10m | 115 # | | | 150J | 1.3 | 250 | 155 | | 7.0 | 155 | 400 | | Si | S322 |
| 58# | SKN70/04 | 400 | 95 | 100C | 1.1k | 10m | | | | 180J | 1.5 | 200 | 25J | 300u | | | 100 | | Si | S481 |
| 59 | 1N1473 | 400 | 100 | | | | | | | 190J | 1.5 | 100 | 25J | 60m | | | | Si | M56f | |
| 60 | ST6-40 | 400 | 100 | 25A | 1.6k | | | | | 190J | 1.2 | 100 | 25A | | 5.0m | 25 | 400 | | Si | Z29 |
| 61# | S100-04 | 400 | 100 | 50A | 2.6k | 10m | | | | 150J | 1.1 | 100 | 25A | 2.0m | | | 400 | | Si | S491 |
| 62 | 1N2433 | 400 | 100 | 75C | 950 | | | | | 175B | 1.1 | 50 | 25 | | 10m | 150B | 400 | | Si | D08 |
| 63# | 10DN40 | 400 | 100 | 80C | 1.5k | 10m | | | | 150J | 1.4 | 314 | 80C | 5.0m | 25m | 80C | 400 | | Si | S96d |
| 64 | A177D | 400 | 100 | 100C | 2.5k | 8.3m | | | | 175J | 1.3 | 100 | 25C | | 20m | 125J | 400 | | Si | S120j |
| 65# | KU1004 | 400 | 100 | 100C | 1.8k | 10m | 110 | | | 150J | 1.4 | 300 | 25C | | 20m | 150J | 400 | | Si | S421 |
| 66# | KU1504 | 400 | 100 | 100C | 2.5k | 10m | | | | 150J | 1.4 | 400 | 25J | | 20m | 150C | 400 | | Si | S421 |
| 67# | 101F4S | 400 | 100 | 105C | 1.6k | 10m | 120 | | | 175J | 1.6 | 500 | 25J | | 20m | 175J | 400 | | Si | S503 |
| 68# | SR100K8S | 400 | 100 | 117C | 2.0k | 8.3m | | | | 150J | 1.15 | 340 | 25C | | 7.5m | 150J | 400 | | Si | M228e |
| 69 | 1N3291 | 400 | 100 | 130C | 1.6k | 8.3m | | | | 200C | 1.5 | 100 | 130C | | 24m | 130B | 400 | | Si | D08 |
| 70 | 1N3291A | 400 | 100 | 130C | 2.3k | | | | | 200C | 1.25 | 100 | 130C | | 24m | 130C | 400 | | Si | D08 |
| 71 | 1N3291R | 400 | 100 | 130B | 1.6k | | | | | 200A | 900m | 100 | 200J | | 23 | 200J | 400 | | Si | D08 |
| 72 | A70D | 400 | 100 | 130B | 1.6k | 8.3m | | | | 200J | 600m | 100 | 130B | | 9.0m | 130B | 400 | | Si | D08 |
| 73 | A71D | 400 | 100 | 130B | 1.6k | 8.3m | | | | 200J | 600m | 100 | 130B | | 9.0m | 130B | 400 | | Si | D08 |
| 74 | A170D | 400 | 100 | 130C | 2.5k | 8.3m | | | | 200J | 1.3 | 314 | 130C | | 7.0m | 130C | 400 | | Si | S120j |
| 75 | R5D00410WC | 400 | 100 | 130C | 2.3k | 8.3m | | | | 200J | 1.55 | 470 | 25J | | 30m | | 400 | | Si | D030 |
| 76 | R5100410WC | 400 | 100 | 130C | 2.3k | 8.3m | | | | 200J | 1.55 | 470 | 25J | | 30m | | 400 | | Si | D08 |
| 77# | AS4 | 400 | 100 | 150 | 4.0k | 20m | | | | 150 | | | | | | | | | Si | |
| 78 | R5000410WC | 400 | 100 | 160C | 2.3k | 8.3m | | | | 200J | 1.55 | 470 | 25 | | | | | | | |