

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 | | | MAX. TEMP (°C) | MAXIMUM FORWARD VOLTAGE DROP | | | MAX. REVERSE CURRENT | | TEST VOLT (V) | AVALANCHE RATINGS | | DESCRIPTION | |
|----------|------------|---------|------------------------|-------------------|-----------|---------------------|-----------------|-----------|----------------|------------------------------|-----------------------|--------------|---------------------------|---|---------------|-------------------|-----------------|-------------|-----------------|
| | | | 2 I _o | 3 I _{at} | TEMP (°C) | SURGE PEAK 1 Cy (A) | PULSE WIDTH (s) | DISS. (W) | | V _f (V) | at I _f (A) | at TEMP (°C) | I _r @ 25°C (A) | I _r at I _r & V _r (A) | | TEMP (°C) | MAX V BKDN. (V) | | MIN SLOPE (A/V) |
| | | | | | | | | | | | | | | | | | | | |
| 1# | S1101SXU12 | 1.2k | 1.0k | 100C | 25k | 10m | 175J | 1.07 | 1.8k | 25C | 2.0m | 50m | 175C | 1.2k | Si | M759 | | | |
| 2 | R920121100 | 1.2k | 1.1k | 145C | 16k | 8.3m | 190J | 1.45 | 1.5k | 25 | 2.0m | 100m | 190J | 1.2k | Si | M779g | | | |
| 3# | DS904SM12 | 1.2k | 1.11k | 55C | 9.0k | 10m | 200S | 1.3 | 1.2k | 25C | 2.0m | 50m | 175C | 1.2k | Si | M737 | | | |
| 4 | GD1400-12 | 1.2k | 1.15k | 190J | 8.0k | 8.3m | 190J | 1.00 | 500 | 190J | 10m | 50m | 190J | 1.2k | Si | M637 | | | |
| 5 | R720121200 | 1.2k | 1.2k | 107C | 12k | 8.3m | 200J | 1.8 | 1.5k | 25J | 10m | 50m | 200J | 1.2k | Si | M779f | | | |
| 6 | HD1500-12 | 1.2k | 1.2k | 150J | 18k | 8.3m | 150J | 1.60 | 2.5k | 150J | 10m | 100m | 150J | 1.2k | Si | M637c | | | |
| 7# | SB12KDN14C | 1.2k | 1.3k | 100C | 33k | 10m | 175C | 1.0 | 2.5k | 175C | 10m | 50m | 175C | 1.2k | Si | M748z | | | |
| 8 | R9G0121300 | 1.2k | 1.3k | 140C | 16k | 8.3m | 190J | 1.45 | 1.5k | 25J | 10m | 100m | 190J | 1.2k | Si | M779e | | | |
| 9 | A640PB | 1.2k | 1.5k | 80C | 16k | 8.3m | 185J | 1.0 | 1.5k | 25C | 10m | 50m | 200J | 1.2k | Si | M924 | | | |
| 10# | DS1104SM12 | 1.2k | 1.55k | 55C | 16k | 10m | 200S | 1.3 | 1.8k | 25C | 2.0m | 50m | 175C | 1.2k | Si | M757 | | | |
| 11# | FD1600A24 | 1.2k | 1.6k | 91C | 35k | 8.3m | 150J | 1.6 | 5.0k | 25C | 2.0m | 50m | 150J | 1.2k | Si | M724a | | | |
| 12 | 1601PDK120 | 1.2k | 1.6k | 105C | 25k | 8.3m | 200J | 1.63 | 5.0k | 25C | 2.0m | 60m | 105C | 1.2k | Si | M924a | | | |
| 13 | R920121600 | 1.2k | 1.6k | 115C | 21k | 8.3m | 190J | 1.20 | 1.5k | 25 | 10m | 100m | 190J | 1.2k | Si | M779g | | | |
| 14# | S12C452 | 1.2k | 1.7k | 25C | 11k | 10m | 170J | 1.42 | 2.2k | 150J | 10m | 20m | 10m | 1.2k | Si | M643 | | | |
| 15 | HD2100-12 | 1.2k | 1.7k | 150J | 22k | 8.3m | 150J | 1.0 | 2.5k | 150J | 10m | 100m | 150J | 1.2k | Si | M637c | | | |
| 16 | JD2300-12 | 1.2k | 1.7k | 150J | 35k | 8.3m | 150J | 2.2 | 5.0k | 150J | 25m | 200m | 150J | 1.2k | Si | M946 | | | |
| 17 | R9G0121800 | 1.2k | 1.8k | 115C | 21k | 8.3m | 175J | 1.20 | 1.5k | 25J | 10m | 100m | 175J | 1.2k | Si | M779e | | | |
| 18# | SB12AXC935 | 1.2k | 1.9k | 55C | 19k | 10m | 175C | 1.2 | 2.2k | 175C | 10m | 30m | 175C | 1.2k | Si | M643 | | | |
| 19# | DS2004SN12 | 1.2k | 2.0k | 55C | 25k | 10m | 180S | 1.3 | 3.4k | 25C | 2.0m | 50m | 175C | 1.2k | Si | M722 | | | |
| 20 | 2001PDK120 | 1.2k | 2.0k | 105C | 30 | 8.3m | 200J | 1.52 | 6.2k | 25C | 2.0m | 50m | 105C | 1.2k | Si | M924a | | | |
| 21 | R920122000 | 1.2k | 2.0k | 115C | 30k | 8.3m | 190J | 1.05 | 1.5k | 25 | 10m | 100m | 190J | 1.2k | Si | M779g | | | |
| 22 | HD2500-12 | 1.2k | 2.16k | 190J | 22k | 8.3m | 190J | 1.00 | 2.5k | 190J | 10m | 100m | 190J | 1.2k | Si | M637c | | | |
| 23 | R9G0122200 | 1.2k | 2.2k | 120C | 30k | 8.3m | 150J | 1.05 | 1.5k | 25J | 10m | 100m | 150J | 1.2k | Si | M779e | | | |
| 24 | JD3000-12 | 1.2k | 2.4k | 150J | 45k | 8.3m | 150J | 1.4 | 5.0k | 150J | 25m | 200m | 150J | 1.2k | Si | M946 | | | |
| 25# | SB12AXC14C | 1.2k | 2.7k | 55C | 33k | 10m | 175C | 1.0 | 2.5k | 175C | 10m | 50m | 175C | 1.2k | Si | M722 | | | |
| 26 | JD4000-12 | 1.2k | 3.0k | 150J | 50k | 8.3m | 150J | 1.1 | 5.0k | 150J | 25m | 200m | 150J | 1.2k | Si | M946 | | | |
| 27 | JD4500-12 | 1.2k | 3.4k | 150J | 50k | 8.3m | 150J | 860m | 5.0k | 150J | 50m | 200m | 150J | 1.2k | Si | M946 | | | |
| 28 | 10R13B | 1.3k | .10 | 25 | 60 | 25 | 175 | 4.0 | .10 | 25 | 5.0u | .50m | 150 | 1.3k | Si | | | | |
| 29# | GU-1E | 1.3k | 300m | 40 | 25 | 10m | 110 | 3.0 | 1.0 | 25 | 10u | .50m | 150 | 1.3k | Si | A333 | | | |
| 30 | 1N2778 | 1.3k | .75 | 25A | 15 | 10m | 165S | 1.8 | .75 | 25A | 4.0u | .10m | 150 | 1.3k | Si | A145 | | | |
| 31 | 75R13B | 1.3k | .75 | 25 | 60 | 25 | 175 | 4.0 | .75 | 25 | 5.0u | .50m | 150 | 1.3k | Si | | | | |
| 32 | 100R13B | 1.3k | 1.0 | 25 | 60 | 25 | 175 | 4.0 | 1.0 | 25 | 5.0u | .50m | 150 | 1.3k | Si | | | | |
| 33# | BYX95 | 1.3k | 1.0 | 25C | 40 | 25 | 150J | 1.3 | 2.0 | 25A | 5.0u | .50m | 25A | 1.3k | Si | DO15 | | | |
| 34# | GH-1E | 1.3k | 1.0 | 25 | 35 | 10m | 150 | 1.05 | 1.0 | 25 | 10u | .50m | 100 | 1.3k | Si | A333 | | | |
| 35# | BY103 | 1.3k | 1.0 | 50A | 50 | 10m | 150J | 1.3 | 2.0 | 25J | 5.0u | .50m | 100 | 1.3k | Si | DO13 | | | |
| 36# | BY133 | 1.3k | 1.0 | 50A | 50 | 10m | 150J | 1.3 | 2.0 | 25J | 5.0u | .50m | 100 | 1.3k | Si | A1bg | | | |
| 37# | TD13 | 1.3k | 1.0 | 60A | 60 | 10m | 140J | 1.5 | 2.0 | 25A | 10u | .50m | 100 | 1.3k | Si | A268b | | | |
| 38# | P511 | 1.3k | 1.0 | 75A | 50 | 10m | 150J | 1.1 | 1.0 | 25C | 5.0u | .50m | 100C | 1.3k | Si | A1bg | | | |
| 39# | ER444 | 1.3k | 1.0 | 100 | 50 | 10m | 175 | 1.0 | 1.0 | 25 | 1.0u | .50m | 100 | 1.3k | Si | DO41 | | | |
| 40# | SKEA1/13 | 1.3k | 1.2 | 45A | 60 | 10m | 150J | 1.55 | 10 | 25J | 10u | .50m | 150 | 1.3k | Si | M746a | | | |
| 41# | SKSA1/13 | 1.3k | 1.3 | 45A | 140 | 10m | 150J | 1.25 | 10 | 25J | 10u | .50m | 150 | 1.3k | Si | M746a | | | |
| 42 | 150R13B | 1.3k | 1.5 | 25 | 60 | 25 | 175 | 4.0 | 1.5 | 25 | 5.0u | .50m | 150 | 1.3k | Si | | | | |
| 43# | GH-3E | 1.3k | 1.5 | 50 | 60 | 10m | 150 | 1.2 | 4.0 | 25 | 10u | .50m | 150 | 1.3k | Si | A333b | | | |
| 44 | 200R13B | 1.3k | 2.0 | 25 | 60 | 25 | 175 | 4.0 | 2.0 | 25 | 5.0u | .50m | 150 | 1.3k | Si | | | | |
| 45# | SKNA2/13 | 1.3k | 2.0 | 45A | 180 | 10m | 150J | 1.25 | 10 | 25J | 10u | .50m | 150 | 1.3k | Si | S452 | | | |
| 46 | 250R13B | 1.3k | 2.5 | 25 | 250 | 25 | 175 | 4.0 | 2.5 | 25 | 10u | 1.0m | 150 | 1.3k | Si | | | | |
| 47# | SKEA2.5/13 | 1.3k | 2.5 | 45A | 190 | 10m | 150J | 1.25 | 10 | 25J | 10u | 1.0m | 150 | 1.3k | Si | M571c | | | |
| 48 | 300R13B | 1.3k | 3.0 | 25 | 250 | 25 | 175 | 4.0 | 3.0 | 25 | 10u | 1.0m | 150 | 1.3k | Si | | | | |
| 49# | BY255 | 1.3k | 3.0 | 50A | 100 | 10m | 150J | 1.1 | 3.0 | 25A | 20u | 1.0m | 125 | 1.3k | Si | DO27 | | | |
| 50# | S13BR2 | 1.3k | 3.0 | 95B | 53 | 20m | 130B | 550m | 1.5 | 25 | 2.0m | 125 | 1.3k | Si | S81 | | | | |
| 51 | 350R13B | 1.3k | 3.5 | 25 | 250 | 25 | 175 | 4.0 | 3.5 | 25 | 10u | 1.0m | 150 | 1.3k | Si | | | | |
| 52# | SKNA4/13 | 1.3k | 3.7 | 45A | 190 | 10m | 150J | 1.25 | 10 | 25J | 10u | .50m | 150 | 1.3k | Si | S352b | | | |
| 53 | 400R13B | 1.3k | 4.0 | 25 | 250 | 25 | 175 | 4.0 | 4.0 | 25 | 10u | 1.0m | 150 | 1.3k | Si | | | | |
| 54 | 450R13B | 1.3k | 4.5 | 25 | 250 | 25 | 175 | 4.0 | 4.5 | 25 | 10u | 1.0m | 150 | 1.3k | Si | | | | |
| 55 | 500R13B | 1.3k | 5.0 | 25 | 250 | 25 | 175 | 4.0 | 5.0 | 25 | 10u | 1.0m | 150 | 1.3k | Si | | | | |
| 56 | 550R13B | 1.3k | 5.5 | 25 | 250 | 25 | 175 | 4.0 | 5.5 | 25 | 10u | 1.0m | 150 | 1.3k | Si | | | | |
| 57 | 600R13B | 1.3k | 6.0 | 25 | 250 | 25 | 175 | 4.0 | 6.0 | 25 | 10u | 1.0m | 150 | 1.3k | Si | | | | |
| 58 | S20130 | 1.3k | 16 | 126C | 200 | 8.3m | 190J | 1.3 | 30 | 25C | 2.0m | 1.0m | 150C | 1.3k | Si | S488z | | | |
| 59 | S21130 | 1.3k | 16 | 126C | 250 | 8.3m | 190J | 1.3 | 30 | 25C | 2.0m | 1.0m | 150C | 1.3k | Si | S488z | | | |
| 60# | SKNA20/13 | 1.3k | 20 | 100C | 320 | 10m | 150J | 1.9 | 150 | 25J | 20u | 1.0m | 150C | 1.3k | Si | S171s | | | |
| 61 | S31130 | 1.3k | 30 | 124C | 300 | 8.3m | 190J | 1.3 | 90 | 25C | 2.0m | 1.0m | 150C | 1.3k | Si | S488a | | | |
| 62 | S32130 | 1.3k | 37 | 123C | 600 | 8.3m | 190J | 1.2 | 90 | 25C | 2.0m | 1.0m | 150C | 1.3k | Si | S488b | | | |
| 63 | S34130 | 1.3k | 45 | 122C | 700 | 8.3m | 190J | 1.15 | 90 | 25C | 2.0m | 1.0m | 150C | 1.3k | Si | S488b | | | |
| 64 | S36130 | 1.3k | 70 | 138C | 1.0k | 8.3m | 190J | 1.25 | 200 | 25C | 2.0m | 1.0m | 150C | 1.3k | Si | S488b | | | |
| 65 | S37130 | 1.3k | 85 | 132C | 1.2k | 8.3m | 190J | 1.15 | 200 | 25C | 2.0m | 1.0m | 150C | 1.3k | Si | S488b | | | |
| 66 | A177PC | 1.3k | 100 | 100C | 2.5k | 8.3m | 175J | 1.3 | 100 | 25C | 2.0m | 1.0m | 125J | 1.3k | Si | S120j | | | |
| 67 | A170PC | 1.3k | 100 | 130C | 2.5k | 8.3m | 200J | 1.3 | 314 | 130C | 7.0m | 130C | 130C | 1.3k | Si | S120j | | | |
| 68 | R5001310WC | 1.3k | 100 | 160C | 2.3k | 8.3m | 200J | 1.55 | 470 | 25J | 30m | 200J | 1.3k | Si | DO8z | | | | |
| 69 | S42130 | 1.3k | 125 | 130C | 1.8k | 8.3m | 190J | 1.20 | 200 | 25C | 5.0m | 150C | 1.3k | Si | DO8z | | | | |
| 70 | S42130TS | 1.3k | 125 | 130C | 1.8k | 8.3m | 190J | 1.2 | 200 | 25C | 5.0m | 150C | 1.3k | Si | S464 | | | | |
| 71# | A187PC | 1.3k | 150 | 50C | 2.8k | 8.3m | 125J | 1.6 | 150 | 50C | 25m | 125J | 1.5k | Si | S120j | | | | |
| 72 | S43130 | 1.3k | 150 | 125C | 2.1k | 8.3m | 190J | 1.10 | 200 | 25C | 5.0m | 150C | 1.3k | Si | DO8z | | | | |
| 73 | S43130TS | 1.3k | 150 | 125C | 2.1k | 8.3m | 190J | 1.1 | 200 | 25C | 5.0m | 150C | 1.3k | Si | S464 | | | | |
| 74 | A180PC | 1.3k | 150 | 143C | 3.4k | 8.3m | 200J | 1.3 | 471 | 143C | 7.0m | 130C | 1.3k | Si | S120j | | | | |
| 75 | R5001315WA | 1.3k | 150 | 148C | 3.0k | 8.3m | 200J | 1.40 | 470 | 25J | 30m | 200J | 1.3k | Si | DO8z | | | | |
| 76# | S20N1400JA | 1.3k | 210 | 100C | 4.5k | 10m | 150J | 1.35 | 600 | 25C | 2.0m | 30m | 150C | 1.3k | Si | M378 | | | |
| 77# | S20P1400JA | 1.3k | 220 | 100C | 4.0k | 10m | 175J | 1.35 | 600 | 25C | 2.0m | 30m | 175C | 1.3k | Si | M378 | | | |
| 78 | A197PC | 1.3k | 250 | 110C | 5.0k | 8.3m | 175J | 1.6 | 740 | 53C | 40m | 125J | 1.3k | Si | S435a | | | | |
| 79 | S53130 | 1.3k | 250 | 122C | 4.5k | 8.3m | 190J | 1.2 | 300 | 25C | 10m | 150C | 1.3k | Si | DO9z | | | | |
| 80 | S53130TS | 1.3k | 250 | 122C | 4.5k | 8.3m | 190J | 1.2 | 300 | 25C | 10m | 150C | 1.3k | Si | S464a | | | | |
| 81 | A190PC | | | | | | | | | | | | | | | | | | |