

**GENERAL PURPOSE AND FAST RECOVERY****AXIAL LEAD RECTIFIERS****NON CAVITY GLASS HERMETIC PACKAGE**

SHADED SERIES ARE AVAILABLE IN JAN/ JANTX/ JANTXV

| TYPE<br>NUMBER | PEAK<br>INVERSE<br>VOLTAGE | MAX AV<br>D.C. OUTPUT<br>CURRENT |      | MAX REVERSE<br>CURRENT AT<br>PIV |      | MAX PEAK<br>FWD VOLTAGE<br>(PULSED) |     | PEAK 1<br>CY SURGE<br>CURRENT | PEAK<br>RECUR<br>SURGE | MAX<br>REVERSE<br>RECOVERY | THERM<br>IMPED<br>θ <sub>J-L</sub> ② | CASE<br>STYLE<br>(SEE<br>PG 1) |
|----------------|----------------------------|----------------------------------|------|----------------------------------|------|-------------------------------------|-----|-------------------------------|------------------------|----------------------------|--------------------------------------|--------------------------------|
|                |                            | AMPS                             |      | μAMPS                            |      | 25°C                                |     | 25°C                          | 25°C                   | TIME①                      | d=,375"                              |                                |
|                |                            | VOLTS                            | 55°C | 100°C                            | 25°C | 100°C                               | V   | A                             | AMPS                   | AMPS                       | nSEC                                 |                                |
| 1N5614         | 200                        | 1.0                              | .75  | 0.5                              | 25   | 1.3                                 | 3.0 | 50                            | 10                     | 2000                       | 38                                   | 102                            |
| 1N5616         | 400                        | 1.0                              | .75  | 0.5                              | 25   | 1.3                                 | 3.0 | 50                            | 10                     | 2000                       | 38                                   | 102                            |
| 1N5618         | 600                        | 1.0                              | .75  | 0.5                              | 25   | 1.3                                 | 3.0 | 50                            | 10                     | 2000                       | 38                                   | 102                            |
| 1N5620         | 800                        | 1.0                              | .75  | 0.5                              | 25   | 1.3                                 | 3.0 | 50                            | 10                     | 2000                       | 38                                   | 102                            |
| 1N5622         | 1000                       | 1.0                              | .75  | 0.5                              | 25   | 1.3                                 | 3.0 | 50                            | 10                     | 2000                       | 38                                   | 102                            |
| SRS110         | 100                        | 1.0                              | .75  | 5.0                              | 20   | 1.2                                 | 1.0 | 40                            | 10                     | 5000                       | 38                                   | 104                            |
| SRS120         | 200                        | 1.0                              | .75  | 5.0                              | 20   | 1.2                                 | 1.0 | 40                            | 10                     | 5000                       | 38                                   | 104                            |
| SRS140         | 400                        | 1.0                              | .75  | 5.0                              | 20   | 1.2                                 | 1.0 | 40                            | 10                     | 5000                       | 38                                   | 104                            |
| SRS160         | 600                        | 1.0                              | .75  | 5.0                              | 20   | 1.2                                 | 1.0 | 40                            | 10                     | 5000                       | 38                                   | 104                            |
| SRS180         | 800                        | 1.0                              | .75  | 5.0                              | 20   | 1.2                                 | 1.0 | 40                            | 10                     | 5000                       | 38                                   | 104                            |
| SRS1100        | 1000                       | 1.0                              | .75  | 5.0                              | 20   | 1.2                                 | 1.0 | 40                            | 10                     | 5000                       | 38                                   | 104                            |
| 1N5550         | 200                        | 3.0                              | 2.0  | 1.0                              | 75   | 1.2                                 | 9.0 | 150                           | 25                     | 2000                       | 20                                   | 301                            |
| 1N5551         | 400                        | 3.0                              | 2.0  | 1.0                              | 75   | 1.2                                 | 9.0 | 150                           | 25                     | 2000                       | 20                                   | 301                            |
| 1N5552         | 600                        | 3.0                              | 2.0  | 1.0                              | 75   | 1.2                                 | 9.0 | 150                           | 25                     | 2000                       | 20                                   | 301                            |
| 1N5553         | 800                        | 3.0                              | 2.0  | 1.0                              | 75   | 1.3                                 | 9.0 | 150                           | 25                     | 2000                       | 20                                   | 301                            |
| 1N5554         | 1000                       | 3.0                              | 2.0  | 1.0                              | 75   | 1.3                                 | 9.0 | 150                           | 25                     | 2000                       | 20                                   | 301                            |
| SRS310         | 100                        | 3.0                              | 2.0  | 5.0                              | 75   | 1.3                                 | 9.0 | 125                           | 25                     | 5000                       | 20                                   | 301                            |
| SRS320         | 200                        | 3.0                              | 2.0  | 5.0                              | 75   | 1.3                                 | 9.0 | 125                           | 25                     | 5000                       | 20                                   | 301                            |
| SRS340         | 400                        | 3.0                              | 2.0  | 5.0                              | 75   | 1.3                                 | 9.0 | 125                           | 25                     | 5000                       | 20                                   | 301                            |
| SRS360         | 600                        | 3.0                              | 2.0  | 5.0                              | 75   | 1.3                                 | 9.0 | 125                           | 25                     | 5000                       | 20                                   | 301                            |
| SRS380         | 800                        | 3.0                              | 2.0  | 5.0                              | 75   | 1.3                                 | 9.0 | 125                           | 25                     | 5000                       | 20                                   | 301                            |
| SRS3100        | 1000                       | 3.0                              | 2.0  | 5.0                              | 75   | 1.3                                 | 9.0 | 125                           | 25                     | 5000                       | 20                                   | 301                            |
| 1N4942         | 200                        | 1.0                              | .75  | 1.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 150                        | 38                                   | 103                            |
| 1N4944         | 400                        | 1.0                              | .75  | 1.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 150                        | 38                                   | 103                            |
| 1N4946         | 600                        | 1.0                              | .75  | 1.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 250                        | 38                                   | 103                            |
| 1N4947         | 800                        | 1.0                              | .75  | 1.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 250                        | 38                                   | 103                            |
| 1N4948         | 1000                       | 1.0                              | .75  | 1.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 500                        | 38                                   | 103                            |
| 1N5615         | 200                        | 1.0                              | .75  | 0.5                              | 25   | 1.6                                 | 3.0 | 25                            | 6                      | 150                        | 38                                   | 102                            |
| 1N5617         | 400                        | 1.0                              | .75  | 0.5                              | 25   | 1.6                                 | 3.0 | 25                            | 6                      | 150                        | 38                                   | 102                            |
| 1N5619         | 600                        | 1.0                              | .75  | 0.5                              | 25   | 1.6                                 | 3.0 | 25                            | 6                      | 250                        | 38                                   | 102                            |
| 1N5621         | 800                        | 1.0                              | .75  | 0.5                              | 25   | 1.6                                 | 3.0 | 25                            | 6                      | 300                        | 38                                   | 102                            |
| 1N5623         | 1000                       | 1.0                              | .75  | 0.5                              | 25   | 1.6                                 | 3.0 | 25                            | 6                      | 500                        | 38                                   | 102                            |
| SRSFR110       | 100                        | 1.0                              | .75  | 5.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 150                        | 38                                   | 104                            |
| SRSFR120       | 200                        | 1.0                              | .75  | 5.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 150                        | 38                                   | 104                            |
| SRSFR140       | 400                        | 1.0                              | .75  | 5.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 150                        | 38                                   | 104                            |
| SRSFR160       | 600                        | 1.0                              | .75  | 5.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 150                        | 38                                   | 104                            |
| SRSFR180       | 800                        | 1.0                              | .75  | 5.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 400                        | 38                                   | 104                            |
| SRSFR1100      | 1000                       | 1.0                              | .75  | 5.0                              | 50   | 1.3                                 | 1.0 | 25                            | 6                      | 400                        | 38                                   | 104                            |
| 1N5186         | 100                        | 2.5                              | 1.6  | 2.0                              | 100  | 1.5                                 | 9.0 | 80                            | 15                     | 150                        | 20                                   | 303                            |
| 1N5187         | 200                        | 2.5                              | 1.6  | 2.0                              | 100  | 1.5                                 | 9.0 | 80                            | 15                     | 200                        | 20                                   | 303                            |
| 1N5188         | 400                        | 2.5                              | 1.6  | 2.0                              | 100  | 1.5                                 | 9.0 | 80                            | 15                     | 250                        | 20                                   | 303                            |
| 1N5190         | 600                        | 2.5                              | 1.6  | 2.0                              | 100  | 1.5                                 | 9.0 | 80                            | 15                     | 400                        | 20                                   | 303                            |
| 1N5415         | 50                         | 3.0                              | 2.0  | 1.0                              | 20   | 1.5                                 | 9.0 | 80                            | 15                     | 150                        | 20                                   | 303                            |
| 1N5416         | 100                        | 3.0                              | 2.0  | 1.0                              | 20   | 1.5                                 | 9.0 | 80                            | 15                     | 150                        | 20                                   | 303                            |
| 1N5417         | 200                        | 3.0                              | 2.0  | 1.0                              | 20   | 1.5                                 | 9.0 | 80                            | 15                     | 150                        | 20                                   | 303                            |
| 1N5418         | 400                        | 3.0                              | 2.0  | 1.0                              | 20   | 1.5                                 | 9.0 | 80                            | 15                     | 150                        | 20                                   | 303                            |
| 1N5419         | 500                        | 3.0                              | 2.0  | 1.0                              | 20   | 1.5                                 | 9.0 | 80                            | 15                     | 250                        | 20                                   | 303                            |
| 1N5420         | 600                        | 3.0                              | 2.0  | 1.0                              | 20   | 1.5                                 | 9.0 | 80                            | 15                     | 400                        | 20                                   | 303                            |
| SRSFR310       | 100                        | 3.0                              | 2.0  | 5.0                              | 100  | 1.5                                 | 9.0 | 100                           | 20                     | 150                        | 20                                   | 301                            |
| SRSFR320       | 200                        | 3.0                              | 2.0  | 5.0                              | 100  | 1.5                                 | 9.0 | 100                           | 20                     | 150                        | 20                                   | 301                            |
| SRSFR340       | 400                        | 3.0                              | 2.0  | 5.0                              | 100  | 1.5                                 | 9.0 | 100                           | 20                     | 150                        | 20                                   | 301                            |
| SRSFR360       | 600                        | 3.0                              | 2.0  | 5.0                              | 100  | 1.5                                 | 9.0 | 100                           | 20                     | 150                        | 20                                   | 301                            |
| SRSFR380       | 800                        | 3.0                              | 2.0  | 5.0                              | 100  | 1.75                                | 9.0 | 100                           | 20                     | 175                        | 20                                   | 305                            |
| SRSFR3100      | 1000                       | 3.0                              | 2.0  | 5.0                              | 100  | 1.75                                | 9.0 | 100                           | 20                     | 175                        | 20                                   | 305                            |

(1) Recovery conditions:  $I_F = 0.5A$ ,  $I_R = 1A$ ,  $T_{rr}$  measured when rectifier recovers to 0.25 amps.(2)  $d$  = distance on lead from rectifier body where temperature measured.Max operating temperature  $-65^{\circ}C$  to  $+175^{\circ}C$ .Max storage temperature  $-65^{\circ}C$  to  $+200^{\circ}C$ .All temperatures are at  $T_A$ .