

## RECTIFIER DIODES, Standard Recovery, Plastic Package

| ISI Part Number | Maximum Average Rectified Current at $T_A$ | Peak Inverse Voltage       | Peak Forward Surge Current @ 8.3ms Superimposed | Maximum Forward Voltage Drop @ Rated $I_F$ and $T_A=25^\circ\text{C}$ | Maximum Reverse Current @ Rated PIV and $T_A=25^\circ\text{C}$ | Package Quantities      | Outline   |                 |
|-----------------|--------------------------------------------|----------------------------|-------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------|-------------------------|-----------|-----------------|
|                 | $I_o$ (Amps)                               | $T_A$ ( $^\circ\text{C}$ ) | PIV (Volts)                                     | $I_{FSM}$ (Amps)                                                      | $V_{FM}$ (Volts)                                               | $I_R$ ( $\mu\text{A}$ ) | Bulk/Reel |                 |
| 1N4139          | 3.0                                        | 105                        | 50                                              | 200                                                                   | 1.2                                                            | 5.0                     | 500/1250  | <p>DO-201AD</p> |
| 1N4140          |                                            |                            | 100                                             |                                                                       |                                                                |                         |           |                 |
| 1N4141          |                                            |                            | 200                                             |                                                                       |                                                                |                         |           |                 |
| 1N4142          |                                            |                            | 400                                             |                                                                       |                                                                |                         |           |                 |
| 1N4143          |                                            |                            | 600                                             |                                                                       |                                                                |                         |           |                 |
| 1N4144          |                                            |                            | 800                                             |                                                                       |                                                                |                         |           |                 |
| 1N4145          |                                            |                            | 1000                                            |                                                                       |                                                                |                         |           |                 |
| 1N4146          |                                            |                            | 1200                                            |                                                                       |                                                                |                         |           |                 |
| 1N5400          | 75                                         | 75                         | 50                                              | 200                                                                   | 0.95                                                           | 5.0                     | 500/1250  |                 |
| 1N5401          |                                            |                            | 100                                             |                                                                       |                                                                |                         |           |                 |
| 1N5402          |                                            |                            | 200                                             |                                                                       |                                                                |                         |           |                 |
| 1N5404          |                                            |                            | 400                                             |                                                                       |                                                                |                         |           |                 |
| 1N5406          |                                            |                            | 600                                             |                                                                       |                                                                |                         |           |                 |
| 1N5407          |                                            |                            | 800                                             |                                                                       |                                                                |                         |           |                 |
| 1N5408          |                                            |                            | 1000                                            |                                                                       |                                                                |                         |           |                 |
| 6A05            |                                            |                            | 6.0                                             |                                                                       |                                                                |                         |           |                 |
| 6A1             | 100                                        |                            |                                                 |                                                                       |                                                                |                         |           |                 |
| 6A2             | 200                                        |                            |                                                 |                                                                       |                                                                |                         |           |                 |
| 6A4             | 400                                        |                            |                                                 |                                                                       |                                                                |                         |           |                 |
| 6A6             | 600                                        |                            |                                                 |                                                                       |                                                                |                         |           |                 |
| 6A8             | 800                                        |                            |                                                 |                                                                       |                                                                |                         |           |                 |
| 6A10            | 1000                                       |                            |                                                 |                                                                       |                                                                |                         |           |                 |

### **RECTIFIER DIODES, Standard Recovery, Glass Passivated, Plastic Package**

| ISI Part Number | Maximum Average Rectified Current at $T_A$ | Peak Inverse Voltage | Peak Forward Surge Current @ 8.3ms Superimposed | Maximum Forward Voltage Drop @ Rated $I_o$ and $T_A=25^{\circ}\text{C}$ | Maximum Reverse Current @ Rated PIV and $T_A=25^{\circ}\text{C}$ | Package Quantities | Outline            |           |
|-----------------|--------------------------------------------|----------------------|-------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------|--------------------|--------------------|-----------|
|                 | $I_o$ (Amps) $T_A$ ( $^{\circ}\text{C}$ )  | PIV (Volts)          | $I_{FSM}$ (Amps)                                | $V_{FM}$ (Volts)                                                        | $I_R$ ( $\mu\text{A}$ )                                          | Bulk/Reel          | inches/millimeters |           |
| RL101G          | 1.0                                        | 75                   | 50                                              | 30                                                                      | 1.1                                                              | 5.0                | 1000/5000          | <br>A-405 |
| RL102G          |                                            |                      | 100                                             |                                                                         |                                                                  |                    |                    |           |
| RL103G          |                                            |                      | 200                                             |                                                                         |                                                                  |                    |                    |           |
| RL104G          |                                            |                      | 400                                             |                                                                         |                                                                  |                    |                    |           |
| RL105G          |                                            |                      | 600                                             |                                                                         |                                                                  |                    |                    |           |
| RL106G          |                                            |                      | 800                                             |                                                                         |                                                                  |                    |                    |           |
| RL107G          |                                            |                      | 1000                                            |                                                                         |                                                                  |                    |                    |           |
| 1N4001G         | 1.0                                        | 75                   | 50                                              | 30                                                                      | 1.1                                                              | 5.0                | 1000/5000          | <br>DO-41 |
| 1N4002G         |                                            |                      | 100                                             |                                                                         |                                                                  |                    |                    |           |
| 1N4003G         |                                            |                      | 200                                             |                                                                         |                                                                  |                    |                    |           |
| 1N4004G         |                                            |                      | 400                                             |                                                                         |                                                                  |                    |                    |           |
| 1N4005G         |                                            |                      | 600                                             |                                                                         |                                                                  |                    |                    |           |
| 1N4006G         |                                            |                      | 800                                             |                                                                         |                                                                  |                    |                    |           |
| 1N4007G         |                                            |                      | 1000                                            |                                                                         |                                                                  |                    |                    |           |
| 1N4383GP        | 100                                        | 100                  | 200                                             | 50                                                                      | 1.0                                                              | 5.0                | 1000/5000          |           |
| 1N4384GP        |                                            |                      | 400                                             |                                                                         |                                                                  |                    |                    |           |
| 1N4385GP        |                                            |                      | 600                                             |                                                                         |                                                                  |                    |                    |           |
| 1N4585GP        |                                            |                      | 800                                             |                                                                         |                                                                  |                    |                    |           |
| 1N4586GP        |                                            |                      | 1000                                            |                                                                         |                                                                  |                    |                    |           |