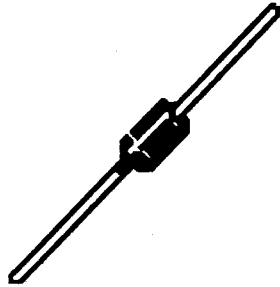




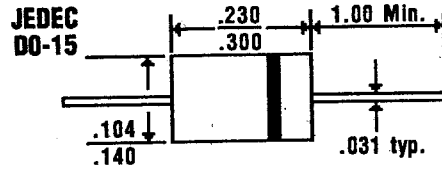
# 2.0 Amp MINIATURE PLASTIC SILICON RECTIFIERS

RL201 . . . 207 Series

## Description



## Mechanical Dimensions



### Features

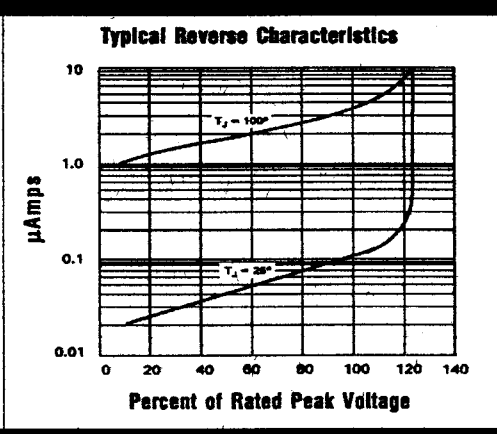
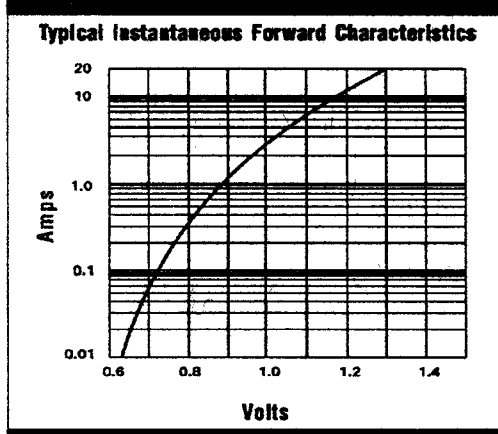
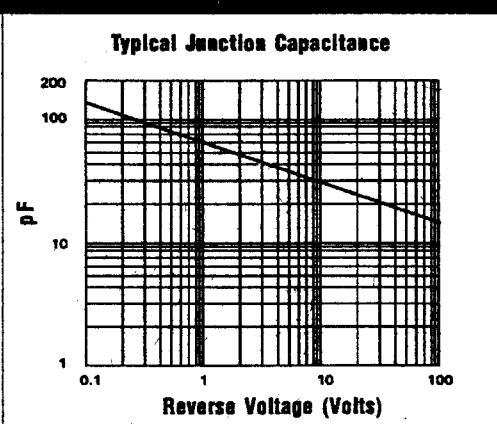
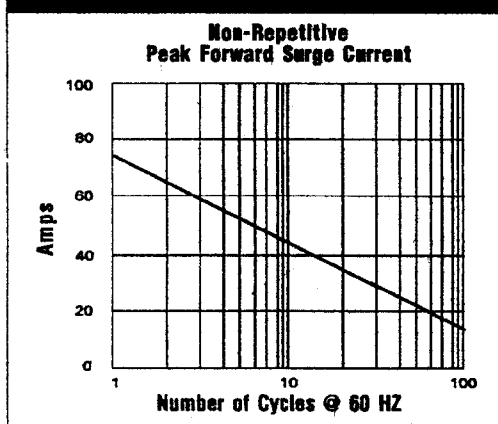
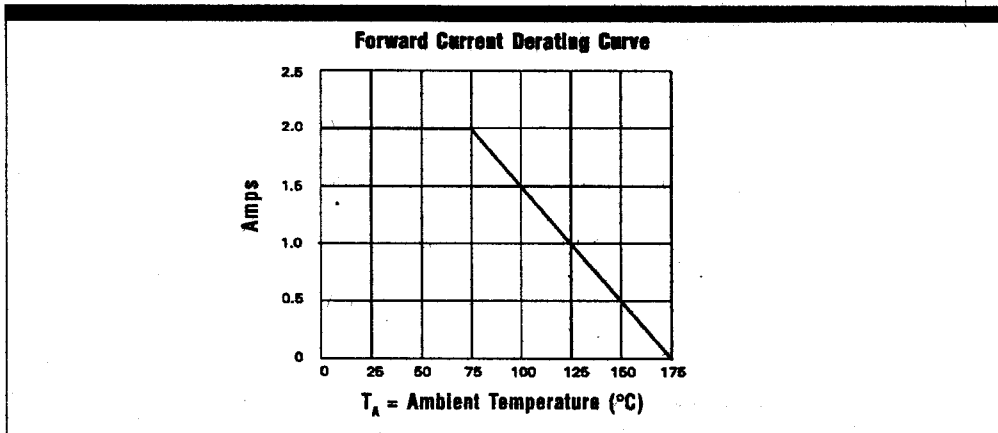
- LOW COST
- LOW LEAKAGE
- LOW FORWARD VOLTAGE
- MEETS UL SPECIFICATION 94V-0

| Electrical Characteristics @ 25°C.                                                    | RL201 . . . RL207 Series |       |       |       |       |       |       | Units            |
|---------------------------------------------------------------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|------------------|
| Maximum Ratings                                                                       | RL201                    | RL202 | RL203 | RL204 | RL205 | RL206 | RL207 |                  |
| Peak Repetitive Reverse Voltage... $V_{RRM}$                                          | 50                       | 100   | 200   | 400   | 600   | 800   | 1000  | Volts            |
| RMS Reverse Voltage... $V_{R(rms)}$                                                   | 35                       | 70    | 140   | 280   | 420   | 560   | 700   | Volts            |
| DC Blocking Voltage... $V_{DC}$                                                       | 50                       | 100   | 200   | 400   | 600   | 800   | 1000  | Volts            |
| Average Forward Rectified Current... $I_{F(av)}$<br>$T_A = 75^\circ\text{C}$ (Note 3) | 2.0                      |       |       |       |       |       |       | Amps             |
| Non-Repetitive Peak Forward Surge Current... $I_{FSM}$<br>@ Rated Current & Temp      | 70                       |       |       |       |       |       |       | Amps             |
| Forward Voltage @ 3.0A... $V_F$                                                       | 1.1                      |       |       |       |       |       |       | Volts            |
| DC Reverse Current... $I_R$ @ 25°C<br>@ Rated DC Blocking Voltage @ 100°C             | 5.0                      |       |       |       |       |       |       | $\mu\text{Amps}$ |
|                                                                                       | 50                       |       |       |       |       |       |       | $\mu\text{Amps}$ |
| Typical Junction Capacitance... $C_J$ (Note 1)                                        | 40                       |       |       |       |       |       |       | pF               |
| Typical Thermal Resistance... $R_{\theta JA}$ (Note 2)                                | 40                       |       |       |       |       |       |       | °C / W           |
| Operating & Storage Temperature Range... $T_J, T_{STG}$                               | -65 to 175               |       |       |       |       |       |       | °C               |



# 2.0 Amp MINIATURE PLASTIC SILICON RECTIFIERS

RL201 . . . 207 Series



- NOTES: 1. Measured @ 1 MHz and applied reverse voltage of 4.0V.  
2. Thermal Resistance Junction to Ambient, Jedec Method.  
3. .375" (9.5mm) lead length.

Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 HZ Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.