



Micro Commercial Components



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RL201GP
THRU
RL207GP

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
Halogen free available upon request by adding suffix "-HF"
Low Leakage
Low Forward Voltage Drop
High Current Capability
Glass Passivated Junction
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
Storage Temperature: -55°C to +150°C
Typical Thermal Resistance (RθJA) 50°C/W

Table with 5 columns: Microsemi Catalog Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include RL201GP through RL207GP.

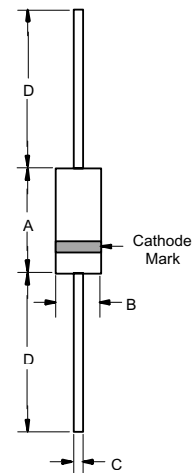
Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Average Forward Current, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current At Rated DC Blocking Voltage, Typical Junction Capacitance.

\*Pulse Test: Pulse Width 300µsec, Duty Cycle 1%
Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7a

2 Amp Glass
Passivated Rectifier
50 to 1000 Volts

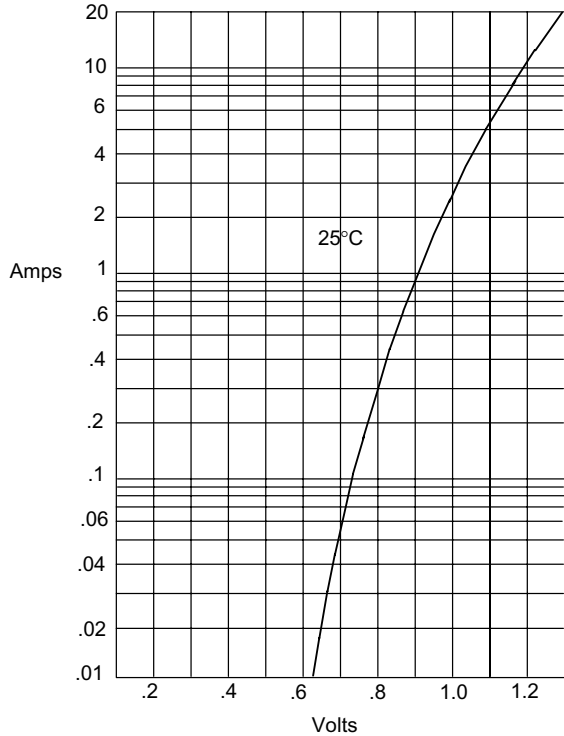
DO-15



DIMENSIONS table with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows include dimensions A, B, C, and D.

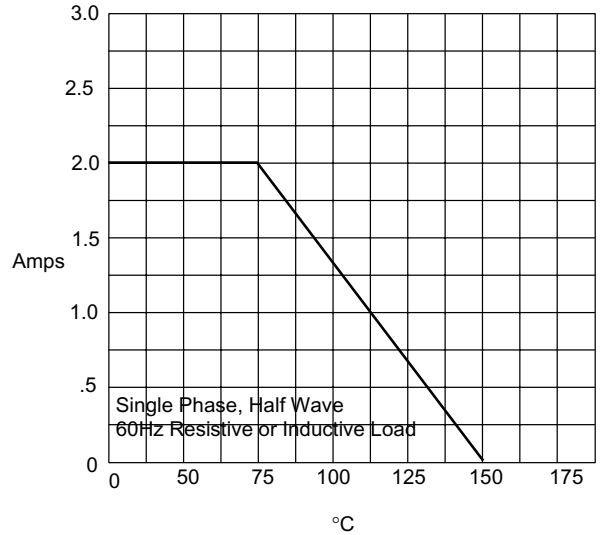
RL201GP thru RL207GP

Figure 1  
Typical Forward Characteristics



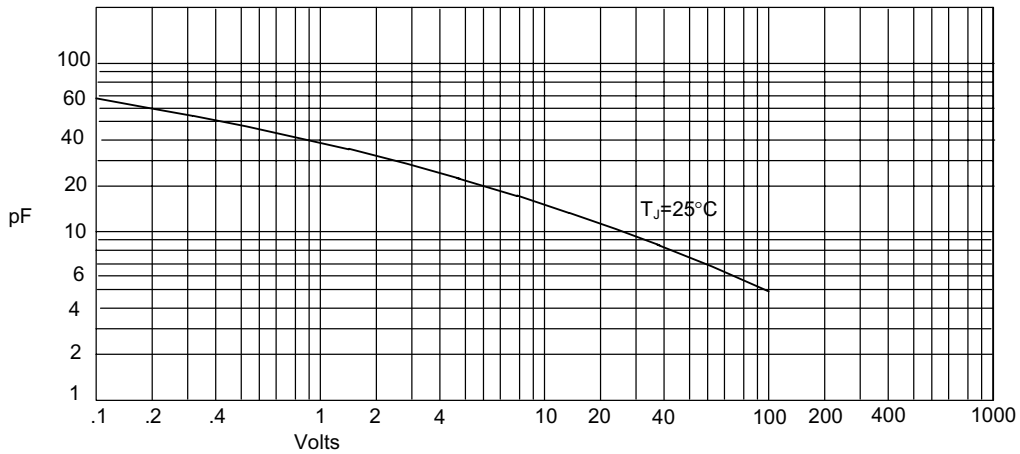
Instantaneous Forward Current - MicroAmperes *versus* Instantaneous Forward Voltage - Volts

Figure 2  
Forward Derating Curve



Average Forward Rectified Current - Amperes *versus* Ambient Temperature - °C

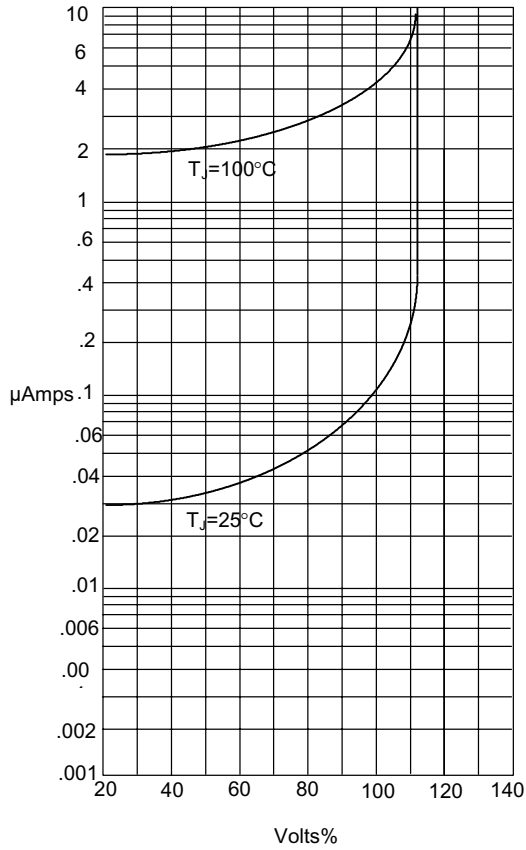
Figure 3  
Junction Capacitance



Junction Capacitance - pF *versus* Reverse Voltage - Volts

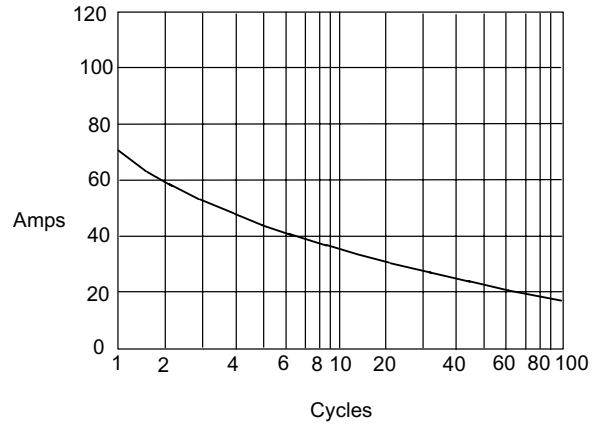
RL201GP thru RL207GP

Figure 4  
Typical Reverse Characteristics



Instantaneous Reverse Current - Amperes versus  
Percent Of Rated Peak Reverse Voltage - Volts%

Figure 5  
Peak Forward Surge Current



Peak Forward Surge Current - Amperes versus  
Number Of Cycles At 60Hz - Cycles



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 4Kpcs/Reel
Part Number-AP	Ammo Packing: 3Kpcs/Ammo Box
Part Number-BP	Bulk: 25Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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