

RL201G THRU RL207G
GLASS PASSIVATED SILICON RECTIFIER
 Reverse Voltage - 50 to 1000 Volts Forward Current - 2.0 Amperes

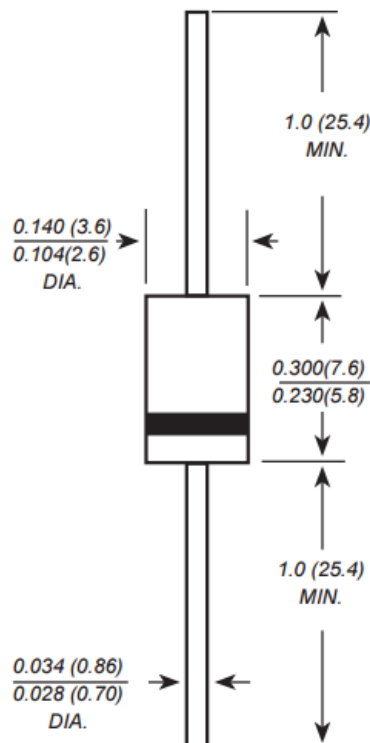
Features:

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds, 0.375"(9.5mm) lead length, 5 lbs. (2.3kg) tension
- This is a Pb – Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Mechanical Data:

- Case: DO-15 molded plastic body
- Terminals: Plated axial leads, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any Weight: 0.014 ounce, 0.40 grams

Mechanical Dimensions:



DO-15

Marking Diagram:


Where XXXXX is YYWWL

 RL201G = Part Name
 SSG = SSG
 YY = Year
 WW = Week
 L = Lot Number

Cautions: Molding resin
 Epoxy resin UL:94V-0

Ordering Information

Device	Package	Shipping
RL201G-RL207G	DO-15 (Pb-Free)	3000pcs / tape

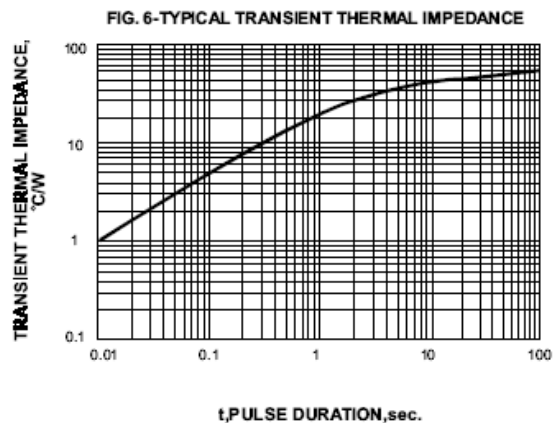
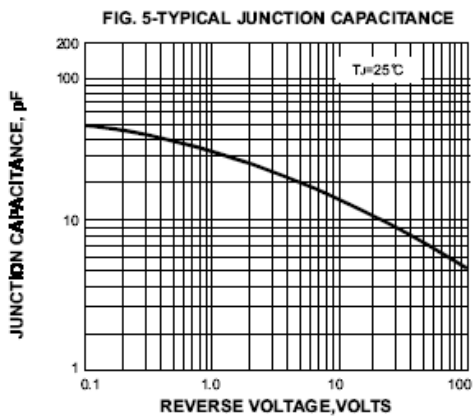
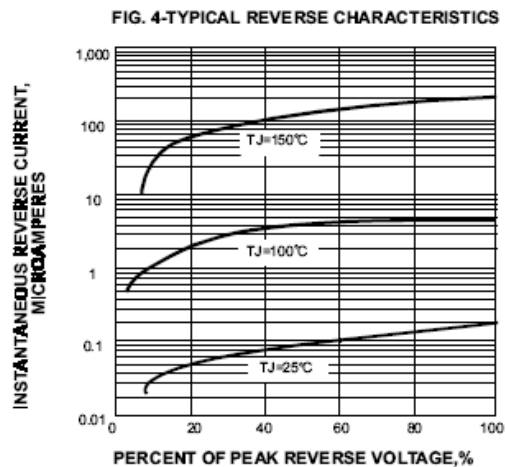
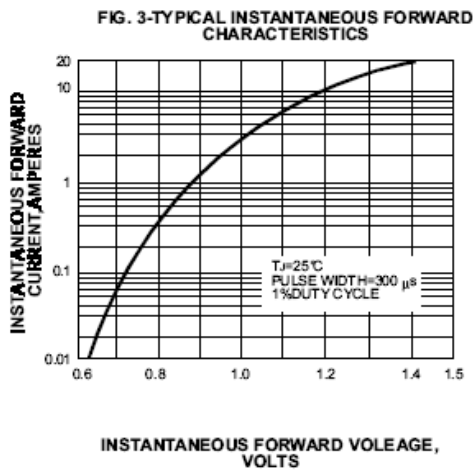
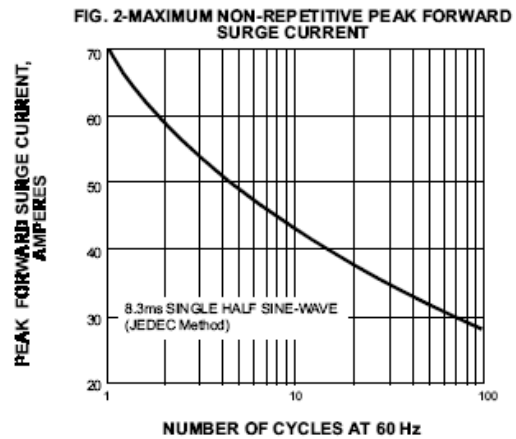
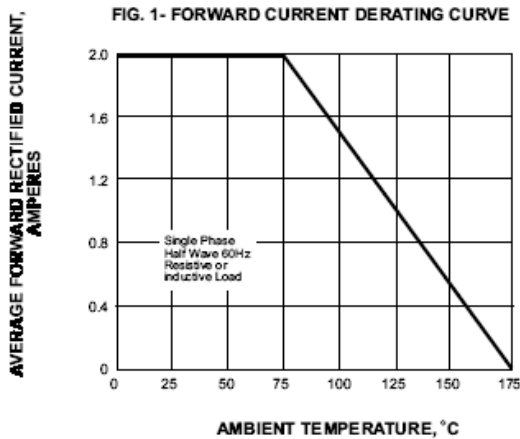
For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.

Maximum Ratings and Electrical Characteristics @ $T_A=25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbol	RL 201G	RL 202G	RL 203G	RL 204G	RL 205G	RL 206G	RL 207G	Unit
Maximum repetitive peak reverse voltage Maximum DC blocking voltage	V_{RRM} V_{DC}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum average forward rectified current 0.375" (9.5mm) lead length @ $T_A = 75^\circ\text{C}$	$I_{(AV)}$	2.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	70.0							A
Maximum instantaneous forward voltage at 2.0A	V_F	1.1							V
Maximum DC reverse current @ $T_A = 25^\circ\text{C}$ at rated DC blocking voltage @ $T_A = 100^\circ\text{C}$	I_R	5.0 50.0							μA
Typical Junction Capacitance (Note 1)	C_J	20.0							pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	50.0							$^\circ\text{C/W}$
Operating and Storage Temperature Range	T_J, T_{STG}	-65 to +175							$^\circ\text{C}$

 Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
 2. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted.

RATINGS AND CHARACTERISTIC CURVES RL201G THRU RL207G





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