RL201G THRU RL207G

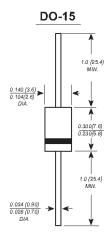
GLASS PASSIVATED SILICON RECTIFIERS Reverse Voltage - 50 to 1000 V Forward Current - 2 A

Features

- The plastic package carries UL flammability classification 94V-0
- High forward surge current capability
- Low reverse current

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



Dimensions in inches and (millimeters)

Maximum Ratings and Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter	Symbols	RL201G	RL202G	RL203G	RL204G	RL205G	RL206G	RL207G	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 0.375" (9.5 mm) Lead Length at T_A = 75 °C	I _{F(AV)}	2							А
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	70							A
Maximum Forward Voltage at I _F = 2 A	V _F	1.1						V	
Maximum DC Reverse Currentat $T_A = 25 ^{\circ}C$ at Rated DC Blocking Voltageat $T_A = 100 ^{\circ}C$	I _R	5 50							μA
Typical Junction Capacitance ¹⁾	CJ	20						pF	
Typical Thermal Resistance ²⁾	$R_{ extsf{ heta}JA}$	50						°C/W	
Operating and Storage Temperature Range	T_{j},T_{stg}	- 65 to + 175							°C

¹⁾ Measured at 1 MHz and applied reverse voltage of 4 V DC.

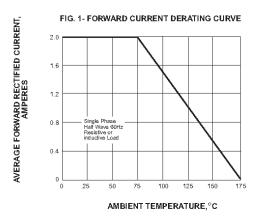
²⁾ Thermal resistance from junction to ambient at 0.375"(9.5 mm) lead length, P.C.B mounted.



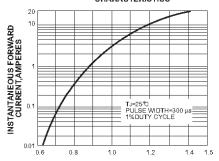




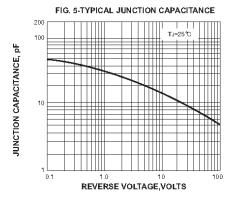
RL201G THRU RL207G

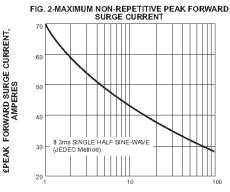






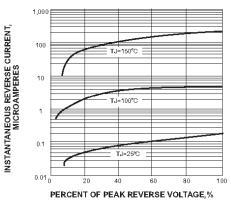
INSTANTANEOUS FORWARD VOLEAGE, VOLTS



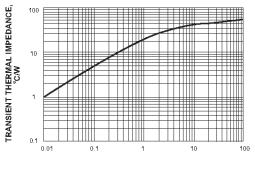


NUMBER OF CYCLES AT 60 Hz









t, PULSE DURATION, sec.



SEMTECH ELECTRONICS LTD. (Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)

