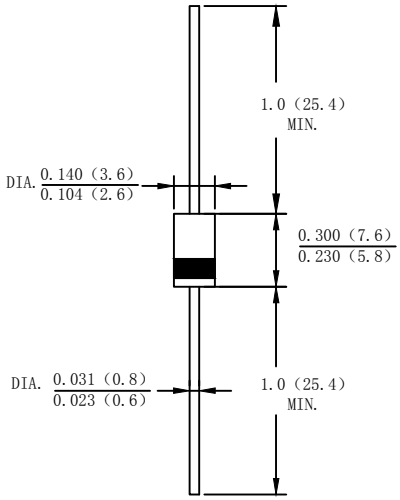
RL201GU THRU RL207GU

2.0 AMPS. Glass Passivated Rectifiers

Features

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability

DO-15



Dimensions in inches and (millimeters)

Mechanical Data

- Case: Molded plastic DO-15
- Terminals: Plated leads solderable per MIL-STD-202,Method 208 guaranteed
- Polarity: Color band dentes cathode end
- Mounting Position: Any
- Weight: 0.40Grams

Maximum Ratings and Electrical Characteristics

Rating at 25℃ ambient temperature unless otherwise specified

Single phase,half wave,60Hz,resistive or inductive load

For capacitive load derate current by 20%

Type Number	SYMBOL	RL 201GU	RL 202GU	RL 203GU	RL 204GU	RL 205GU	RL 206GU	RL 207GU	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RM}	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
Average Rectified Output Current (Note 1) @T_A=50℃	I_O	2.0							A
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	60							A
Forward Voltage @IF=2.0A	V_{FM}	1.1							V
Peak Reverse Current @T_A=25℃	I_R	5.0							uA
At Rated DC Blocking Voltage @T_A=100℃		100							
Typical Junction Capacitance (Note 2)	Cj	20							pF
Typical Thermal Resistance Junction to Ambient	$R_{\theta JA}$	40							℃/W
Operating Temperature Range	T_j	-65 to +150							℃
Storage Temperature Range	T_{STG}	-65 to +150							℃

Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case

2. Measured at 1.0 MHz and Applied reverse Voltage of 4.0V D.C

RL201GU THRU RL207GU

FIG. 1 - FORWARD CURRENT DERATING CURVE

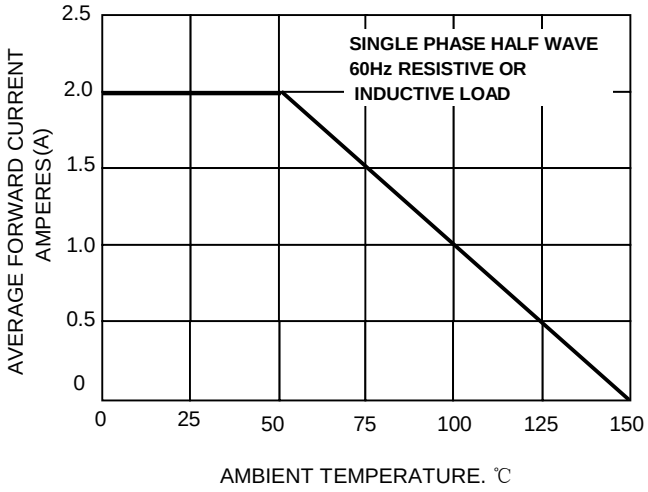


FIG.2 – TYPICAL FORWARD CHARACTERISTICS

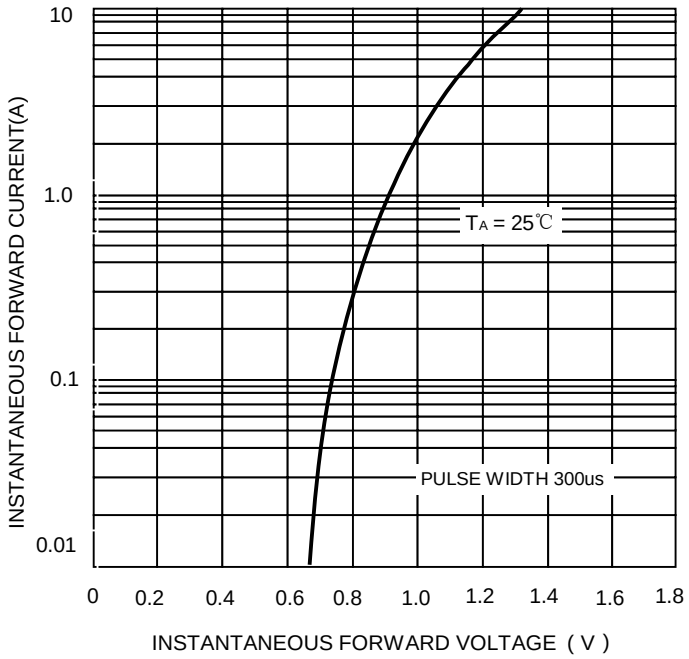


FIG. 3 – MAXIMUM NON-REPETITIVE SURGE CURRENT

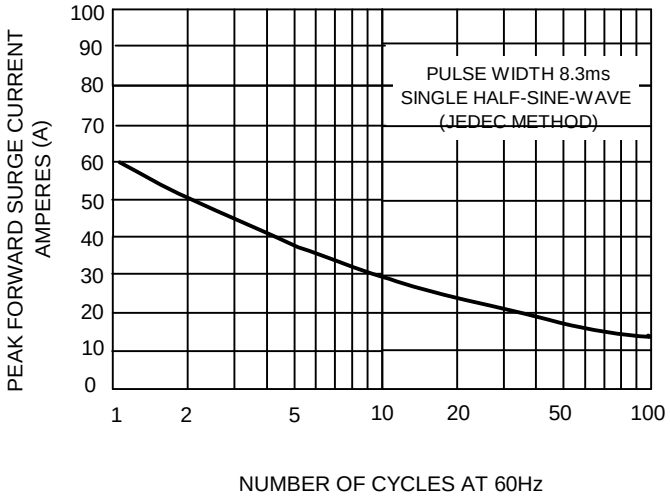


FIG. 4 – TYPICAL JUNCTION CAPACITANCE

