

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

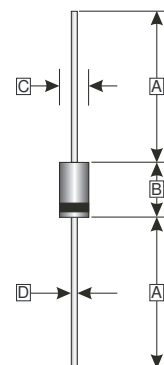
FEATURES

- Low forward voltage drop
- High efficiency
- High current capability
- High reliability
- High surge current capability
- Low power loss
- Glass passivated junction

MECHANICAL DATA

- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed
- Polarity: Color band denotes cathode end
- Mounting position: Any

DO-15



REF.	Millimeter	
	Min.	Max.
A	25.4 (TYP)	
B	5.80	7.62
C	2.60	3.60
D	-	0.90

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_A=25°C Unless otherwise specified)

Parameter	Symbol	Part Number							Unit
		RL 201G	RL 202G	RL 203G	RL 204G	RL 205G	RL 206G	RL 207G	
Maximum Recurrent Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum Instantaneous Forward Voltage Drop per Diode @ I _{FM} =2A	V _{FM}	1.1							V
Average Forward Current @60Hz sine wave, Resistance load, T _A =75°C	I _{F(AV)}	2							A
Surge(Non-repetitive)Forward Current @60Hz Half-sine wave, 1cycle, T _A =25°C	I _{FSM}	70							A
Maximum DC reverse current at rated DC blocking voltage per diode	T _A =25°C	2.5							μA
	T _A =125°C	50							
Typical Junction Capacitance ¹	C _J	35							pF
Typical Thermal Resistance	R _{θJA}	50							°C / W
Operating and Storage Temperature Range	T _J , T _{STG}	-55~150							°C

Note:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

TYPICAL CHARACTERISTIC CURVES

FIG.1: I_o-T_a Curve

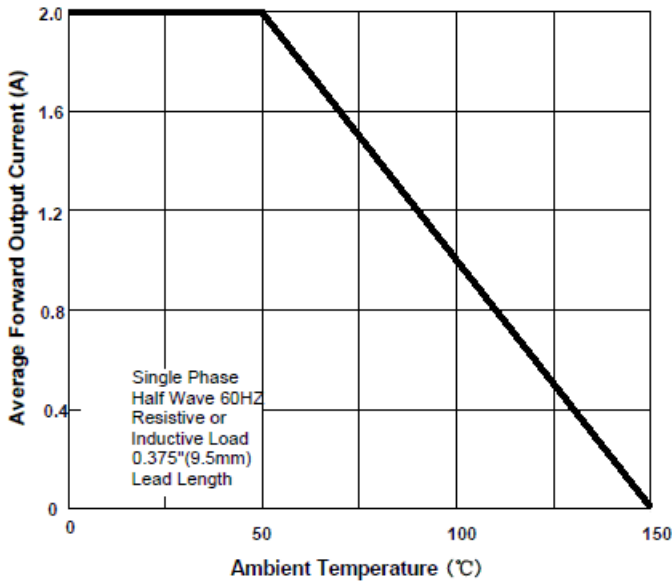


FIG.2: Surge Forward Current Capability

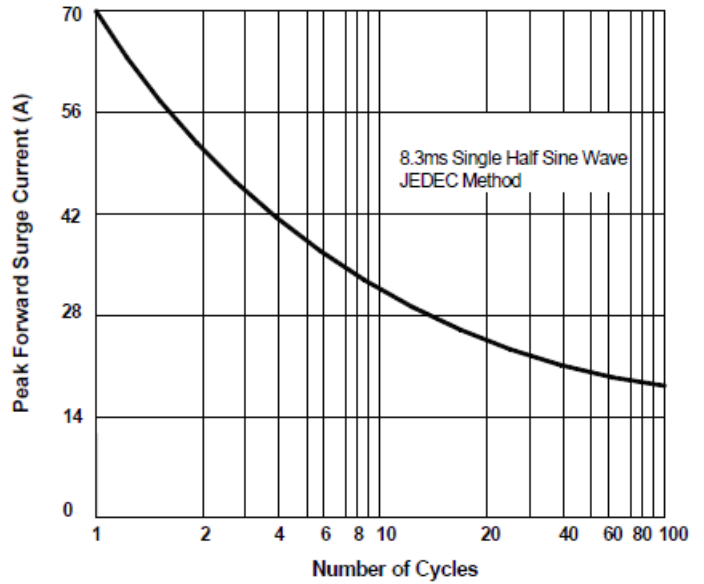


FIG.3: Forward Voltage

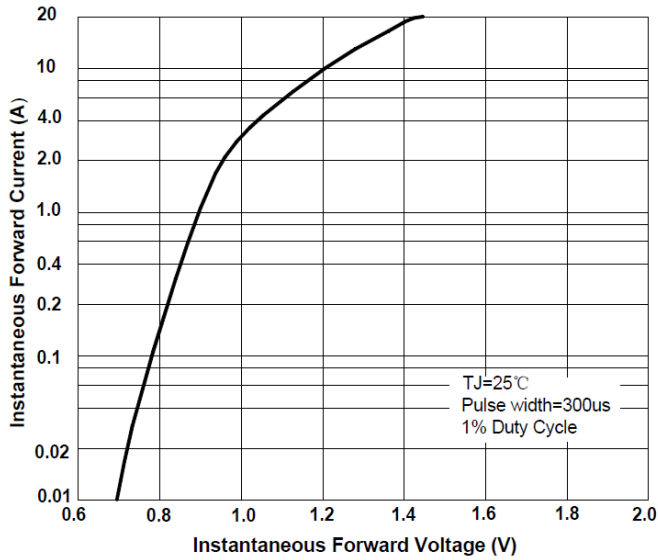


FIG.4: Typical Reverse Characteristics

