RL151 THRU RL157



1.5 AMP SILICON RECTIFIERS



FEATURES

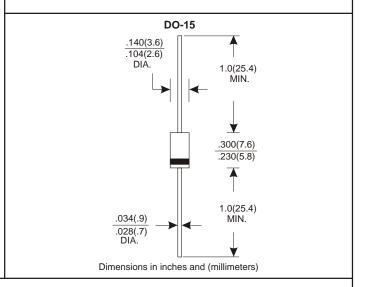
- * Low forward voltage drop
- * High current capability
- * High reliability
- * High surge current capability

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Lead: Axial leads, solderable per MIL-STD-202, method 208 guranteed
- * Polarity: Color band denotes cathode end
- * Mounting position: Any * Weight: 0.40 grams

VOLTAGE RANGE 50 to 1000 Volts CURRENT

1.5 Amperes



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

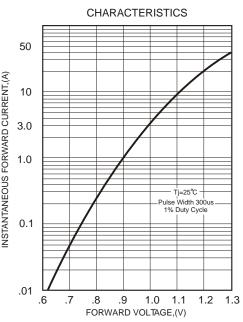
TYPE NUMBER	RL151	RL152	RL153	RL154	RL155	RL156	RL157	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
.375"(9.5mm) Lead Length at Ta=75°C	1.5							Α
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		50					Α	
Maximum Instantaneous Forward Voltage at 1.5A		1.0				V		
Maximum DC Reverse Current Ta=25°C		5.0						mA
at Rated DC Blocking Voltage Ta=100℃		50						
Typical Junction Capacitance (Note 1)		20						pF
Typical Thermal Resistance RqJA (Note 2)		50						°C/W
Operating and Storage Temperature Range TJ, TsTG		-65 +175						°C

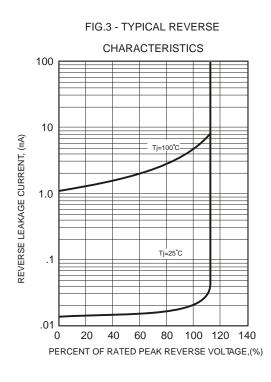
NOTES

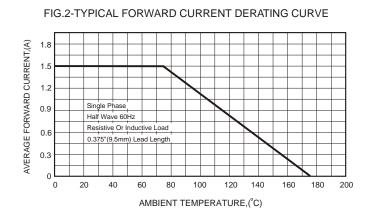
- 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
- 2. Thermal Resistance from Junction to Ambient .375" (9.5mm) lead length.

RATING AND CHARACTERISTIC CURVES (RL151 THRU RL157)

FIG.1-TYPICAL FORWARD **CHARACTERISTICS** 50 INSTANTANEOUS FORWARD CURRENT, (A) 10 3.0 1.0 Pulse Width 300us 1% Duty Cycle 0.1







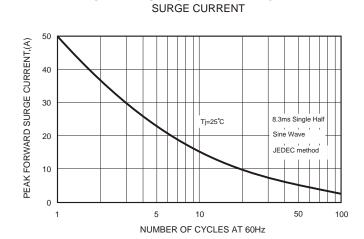


FIG.4-MAXIMUM NON-REPETITIVE FORWARD

