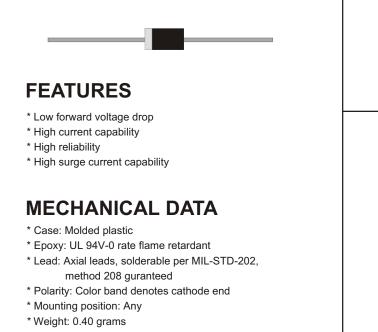
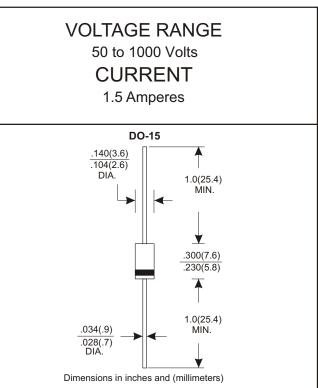
RL151 THRU RL157

1.5 AMP SILICON RECTIFIERS





FMS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature uniess 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							A
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	50						A	
Maximum Instantaneous Forward Voltage at 1.5A	1.0					V		
Maximum DC Reverse Current Ta=25°C	5.0						A	
at Rated DC Blocking Voltage Ta=100℃	50							A
Typical Junction Capacitance (Note 1)	20						pF	
Typical Thermal Resistance R JA (Note 2)	50					°C/W		
Operating and Storage Temperature Range TJ, Tsto	-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.

