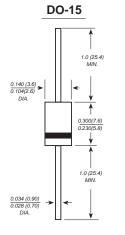
RL151 THRU RL157 GENERAL PURPOSE SILICON RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.5 Amperes



Dimensions in inches and (millimeters)

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 250°C/10 seconds,0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: JEDEC 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

Weight: 0.014 ounce, 0.40 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	SYMBOLS	RL 151	RL 152	RL 153	RL 154	RL 155	RL 156	RL 157	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	VOLTS
Maximum average forward rectified current 0.375" (9.5mm) lead length at Ta=75℃	l(AV)	1.5							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	İFSM	60.0						Amps	
Maximum instantaneous forward voltage at 1.5A	VF	1.1						Volts	
Maximum DC reverse current Ta=25°C at rated DC blocking voltage Ta=100°C	lR	5.0 50.0						mA	
Typical junction capacitance (NOTE 1)	Cı	20.0						pF	
Typical thermal resistance (NOTE 2)	RqJA	50.0						°C/W	
Operating junction and storage temperature range	Т _J ,Тsтg	-65 to +175						°C	

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

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

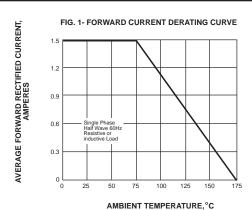
Tel: (86) 769 8282 7329

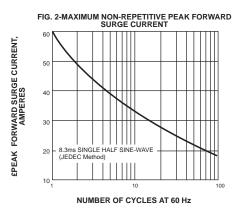
E-mail: info@topdiode.com

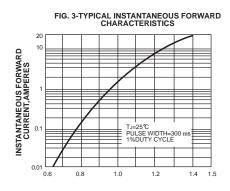
Skype: topdiode

Website: www.topdiode.com

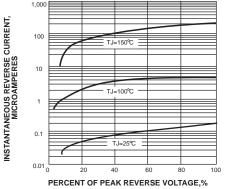
RATINGS AND CHARACTERISTIC CURVES RL151 THRU RL157



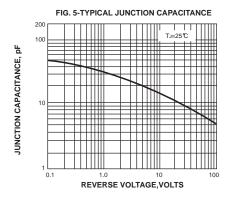


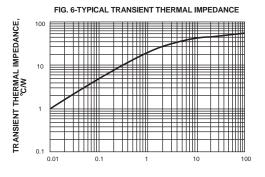












t, PULSE DURATION, sec.