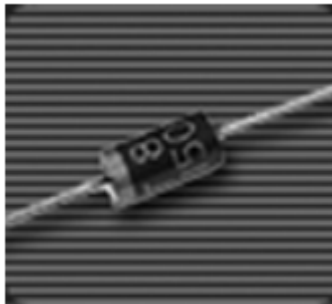


Glass Passivated Junction Rectifier
DO-15(DO-204AC)

Features

- ROHS compliant
- Glass passivated chip
- High forward surge capability
- Meet MSL level 1, per J-STD-020
LF maximum peak of 250 °C
- Solder dip 260 °C / 40S
- Component in accordance to ROHS 2002/95/EC and WEEE 2002/96/WC
- UL recognition, file number E342874


Primary characteristics

$I_{F(AV)}$	1.5A
V_{RRM}	50V to 1000V
I_{FSM}	50A
I_{RM}	5 μ A
V_{FM} at $I_F=1.5A$	1.1V
T_J max.	150 °C

Applications

Ideal for ac-to-dc bridge full wave rectification such as SMPS, home appliances, office equipment, industrial automation applications

Mechanical data

- DO-15(DO-204AC)
- Epoxy meets UL 94 V-0 flammability rating
- Terminals: Tin plated leads.
- Polarity: As marked.
- Mounting Torque:10cm·kg(8.8 inches·lbs)max.
- Recommended Torque:5.7 cm·kg(5 inches·lbs)

Maximum rating (Ta=25°C unless otherwise noted)

Parameter	Sym	DO-15(DO-204AC)							Unit
		RL 151G	RL 152G	RL 153G	RL 154G	RL 155G	RL 156G	RL 157G	
Max. repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Max. RMS reverse voltage	V_{RMS}	35	70	140	280	420	560	700	V
Max. DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Max. average forward current	$I_{F(AV)}$	1.5							A
Non-repetitive peak forward surge current 8.3ms single half-sine-wave	I_{FSM}	50							A
Max. instantaneous forward voltage drop per diode	V_{FM}	1.1 (1.5A)							V
Max. instantaneous reverse current at rated DC blocking voltage	I_{RM}	5							μ A
		200							μ A
Operating junction temperature	T_J	-55 ~ +150							°C
Storage temperature	T_{STG}	-55 ~ +150							°C
Typical thermal resistance (Note 1)	R J-A	25							°C/W
Typical junction capacitance (Note 2)	C_J	15							pF

Notes:

1. Thermal resistance from junction to lead, 0.197×0.197"(5.0×5.0mm)copper pads to each terminal
2. Measured at 1 MHz and Applied Reverse Voltage of 4.0 V D.C

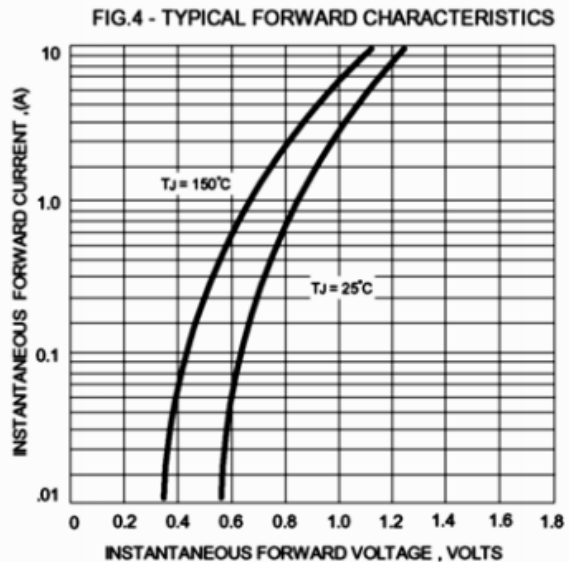
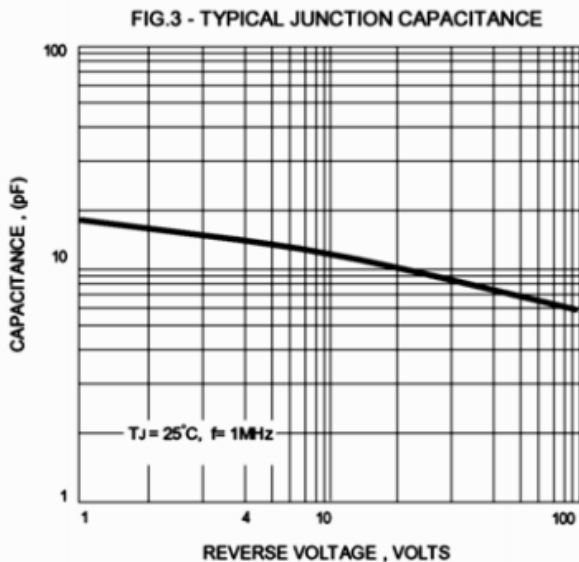
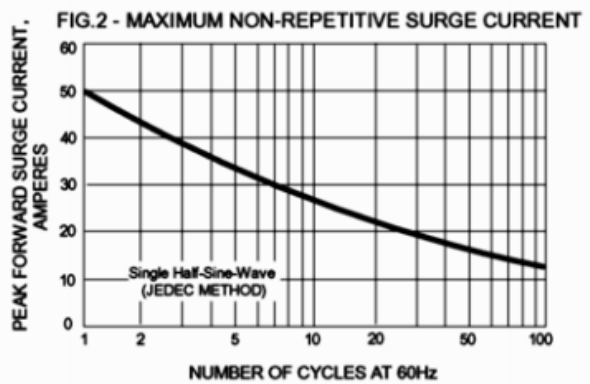
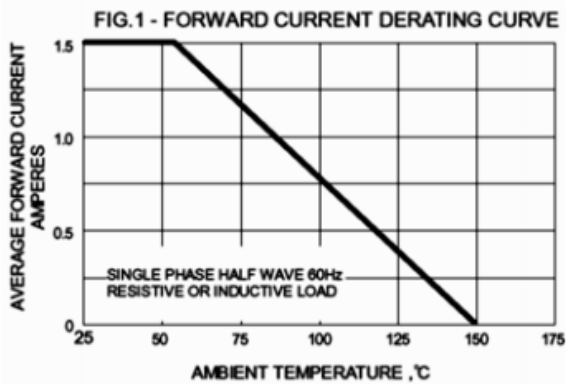


RL151G thru RL157G. Glass Passivated Junction Rectifier

Ordering information (Example)

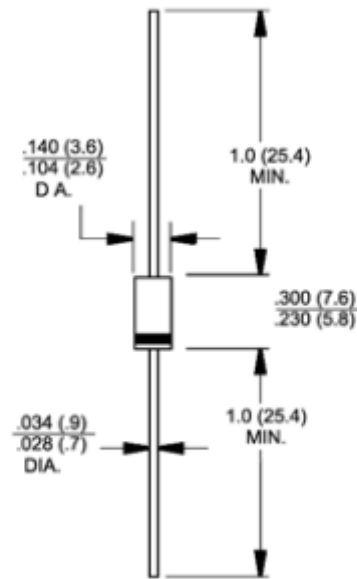
PREFERRED	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
RL157G				

Typical characteristics





Package outline dimensions



Dimensions in inches and (millimeters)

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