

Features

- Epoxy Meets UL 94 V-0 Flammability Rating
- Glass Passivated Junction
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix Designates Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Maximum Thermal Resistance: 25°C/W Junction to Lead

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RL251GP	RL251GP	50V	35V	50V
RL252GP	RL252GP	100V	70V	100V
RL253GP	RL253GP	200V	140V	200V
RL254GP	RL254GP	400V	280V	400V
RL255GP	RL255GP	600V	420V	600V
RL256GP	RL256GP	800V	560V	V008
RL257GP	RL257GP	1000V	700V	1000V

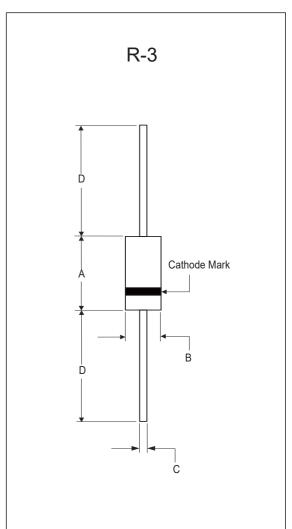
Electrical Characteristics @ 25°C Unless Otherwise Specified

Lieutrical Gridiatics (25 G Grids Grids Grids Grids)					
Average Forward Current	I _{F(AV)}	2.5A	T _A = 75°C		
Peak Forward Surge Current	I _{FSM}	70A 200A	8.3ms,Half Sine Wave 1ms,Square Wave		
Maximum Instantaneous Forward Voltage	V _F	1.1V	I _F =2.5A; T _J =25°C*		
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μA 50μA	T _J =25°C; T _J =100°C		
Typical Junction Capacitance	CJ	40pF	Measured at 1.0MHz V _R =4.0V		
Rating for Fusing	l²t	20A ² S	1ms≤t<8.3ms		

^{*}Pulse Test: Pulse Width 300 μ sec, Duty Cycle 1%

Note: 1. High Temperature Solder Exemption Applied, See EU Directive Annex Notes 7a.

2.5 Amp Glass Passivated Rectifier 50 to 1000 Volts



DIMENSIONS						
DIM INC		HES M		M	NOTE	
Dilvi	MIN	MAX	MIN	MAX	NOTE	
Α		0.160		4.10		
В		0.160		4.10		
С	0.040	0.042	1.01	1.07		
D	1.000		25.40			



Curve Characteristics

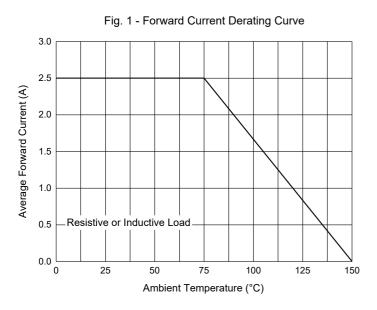
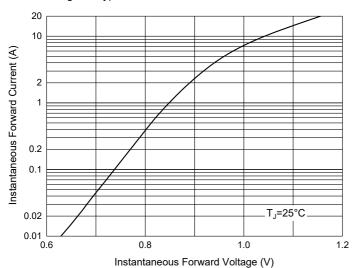


Fig. 3 - Typical Instantaneous Forward Characteristics



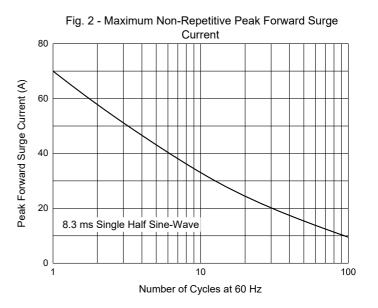
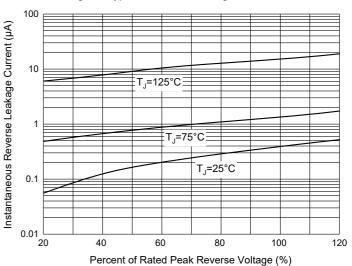


Fig. 4 - Typical Reverse Leakage Characteristics





Ordering Information

Device	Packing		
Part Number-TP	Tape&Reel:3Kpcs/Reel		
Part Number-BP	Bulk: 500Pcs/Box,25KPcs/Carton		

Note: Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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