

1A Sintered Glass Passivated Standard Rectifier

Features

- Sintered glass passivated (SGP[®]) rectifier chip
- For surface mount applications
- Low leakage current
- RoHS Compliant



Mechanical Data

Case:	JEDEC MiniMelf molded plastic
Epoxy:	Plastic package has UL flammability classification 94V-0
Terminals:	Solder plated solderable per MIL-STD-750, Method 2026
Polarity:	Cathode end indicated by color band
Weight:	0.0014 ounce, 0.036 gram

MiniMelf



Maximum Ratings ($T_{Ambient}=25^{\circ}C$ unless noted)

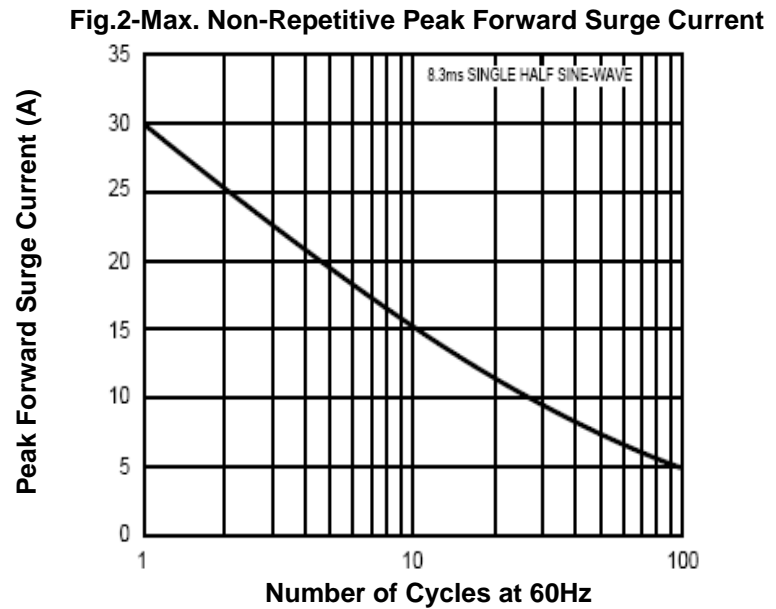
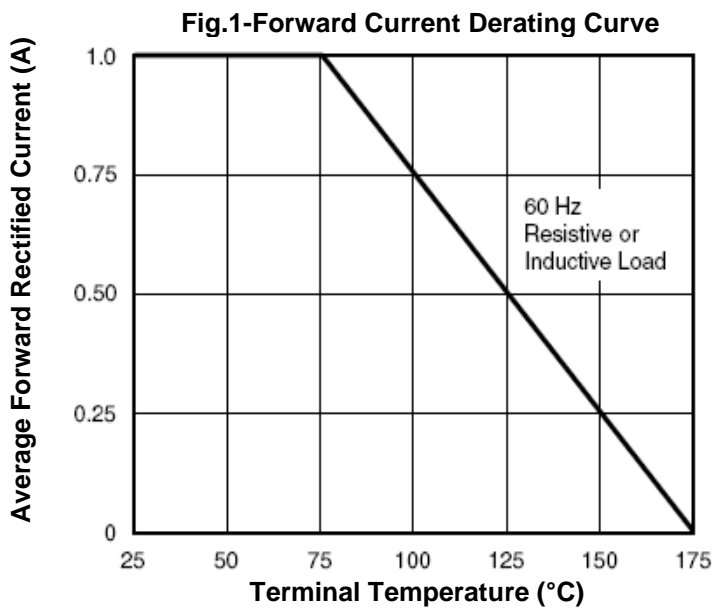
Symbol	Description	GL34A	GL34B	GL34D	GL34G	GL34J	GL34K	GL34M	Unit	Conditions
VRRM	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
VRMS	Maximum RMS Voltage	35	70	140	280	420	560	700	V	
VDC	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
IF(AV)	Maximum Average Forward Rectified Current	1.0							A	$T_T=75^{\circ}C$
IFSM	Peak Forward Surge Current	30							A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
VF	Maximum Instantaneous Forward Voltage	1.0							V	$I_F=1.0A$
IR	Maximum DC Reverse Current at Rated DC Blocking Voltage	5							μA	$T_A=25^{\circ}C$
		50								$T_A=125^{\circ}C$
CJ	Typical Junction Capacitance	15							pF	$V_R=4V, f=1MHz$
RthJA	Typical Thermal Resistance	150							$^{\circ}C / W$	Note 1
RthJL		70								Note 2
TJ,TSTG	Operating Junction and Storage Temperature Range	-65 to +175							$^{\circ}C$	

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GL34A - GL34M

- Note:** 1. Thermal resistance from junction to ambient, 0.24 x 0.24" (6.0 x 6.0mm) copper pads to each terminals
2. Thermal resistance from junction to lead, 0.24 x 0.24" (6.0 x 6.0mm) copper pads to each terminals

Typical Characteristics Curves



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Fig.3- Typical Instantaneous Forward Characteristics

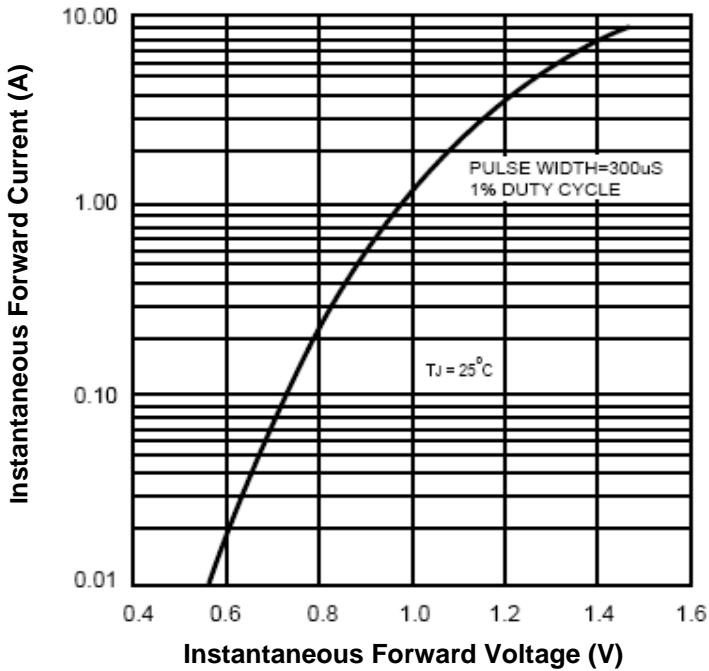


Fig.4-Typical Reverse Characteristics

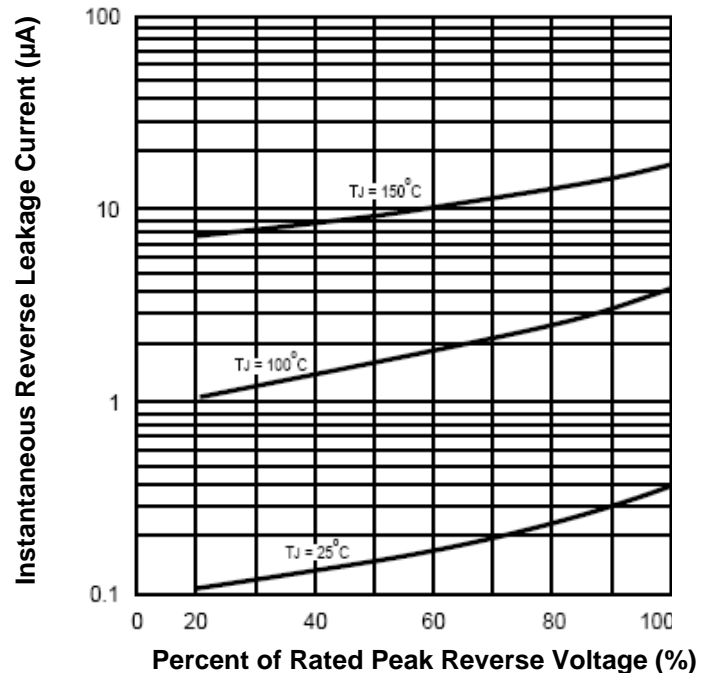
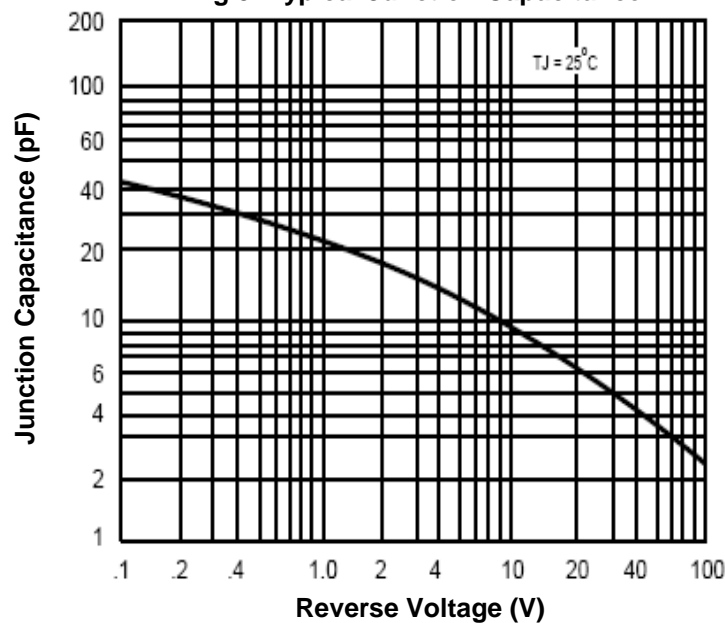


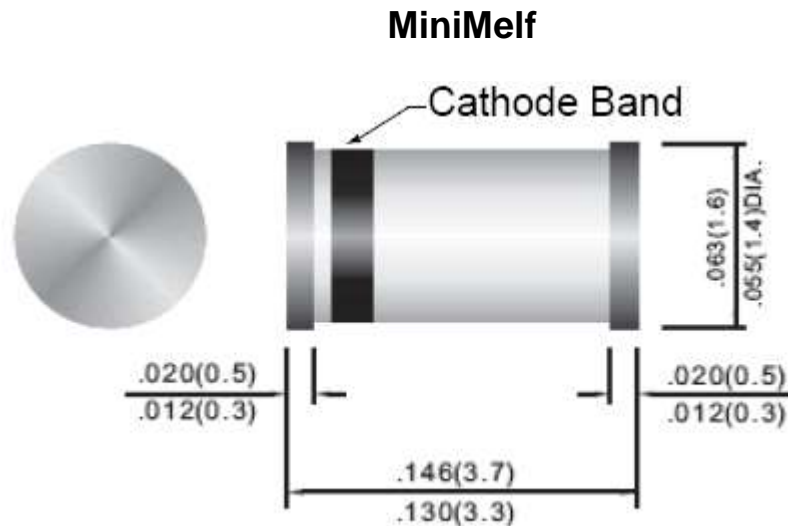
Fig.5- Typical Junction Capacitance



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GL34A - GL34M

Dimensions in inch (mm)



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