



Micro Commercial Components  
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# GL34A THRU GL34M

## Features

- High Current Capability
- Extremely Low Thermal Resistance
- For Surface Mount Application
- Higher Temp Soldering: 250°C for 10 Seconds At Terminals
- Minimelf Plastic Package

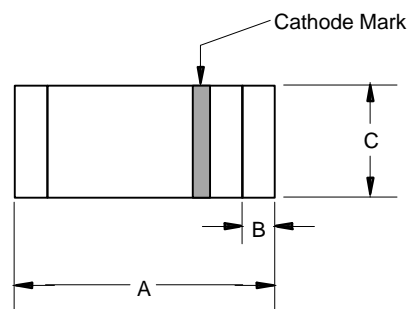
**0.5 Amp  
Standard Recovery  
Rectifier  
50 to 1000 Volts**

## Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: 5°C/W Junction to Lead

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GL34A	----	50V	35V	50V
GL34B	----	100V	70V	100V
GL34D	----	200V	140V	200V
GL34G	----	400V	280V	400V
GL34J	----	600V	420V	600V
GL34K	----	800V	560V	800V
GL34M	----	1000V	700V	1000V

## MINIMELF

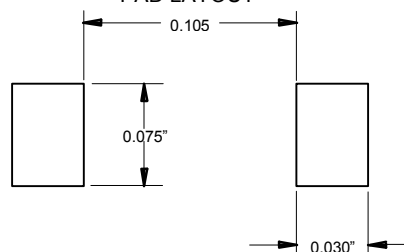


DIM	DIMENSION				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.134	.142	3.40	3.60	
B	.008	.016	0.20	0.40	
C	.055	.059	1.40	1.50	

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	0.5A	$T_J=75^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	10.0A	8.3ms half sine
Maximum Instantaneous Forward Voltage GL34A-G GL34J-M	$V_F$	1.2 1.3	$I_{FM}=0.5A$ $T_A=25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	5.0uA	$T_J=25^\circ\text{C}$
Typical Junction Capacitance	$C_J$	4.0pF	Measured at 1.0MHz, $V_R=4.0V$

## SUGGESTED SOLDER PAD LAYOUT



# GL34A thru GL34M

## Ratings and Characteristic Curves (T<sub>A</sub> = 25°C unless otherwise noted)

