

MCC

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

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

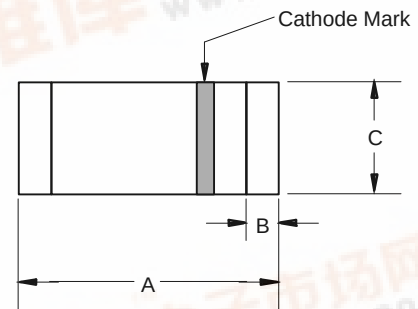
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GL34A	----	50V	35V	50V
GL34B	----	100V	70V	100V
GL34D	----	200V	140V	200V
GL34G	----	400V	280V	400V
GL34J	----	600V	420V	600V
GL34K	----	800V	560V	800V
GL34M	----	1000V	700V	1000V

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, $V_R = 4.0V$

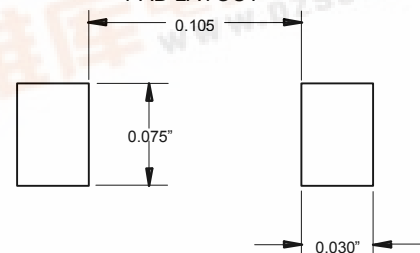
0.5 Amp Standard Recovery Rectifier 50 to 1000 Volts

MINIMELF



DIM	INCHES		MM		NOTE
	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	

SUGGESTED SOLDER PAD LAYOUT



GL34A thru GL34M

Ratings and Characteristic Curves ($T_A = 25^\circ\text{C}$ unless otherwise noted)

