



THE DATASHEET OF GL34M-TP





Micro Commercial Components

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GL34A THRU GL34M

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

Features

- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- For Surface Mount Application and High Current Capability
- Higher Temp Soldering: 260°C for 10 Seconds At Terminals
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -65°C to +175°C
- Storage Temperature: -65°C to +175°C
- Maximum Thermal Resistance: 70°C/W Junction to Lead

MCC Part Number	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	$I_{F(AV)}$	0.5 A	$T_L = 75^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	10A	8.3ms, half sine
Maximum Instantaneous Forward Voltage GL34A-D GL34J-M	V_F	1.20V 1.30V	$I_{FM} = 0.5A;$ $T_A = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5 μ A	$T_A = 25^\circ\text{C}$
Typical Junction Capacitance	C_J	7.0pF	Measured at 1.0MHz, $V_R = 4.0V$

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.

MINIMELF

The diagram shows a side view of the MINIMELF package. Dimension A is the total length, B is the width of the cathode lead, and C is the height of the package. A shaded area on the top surface is labeled 'Cathode Mark'.

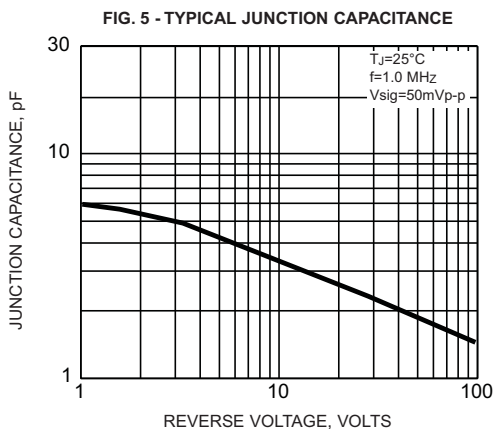
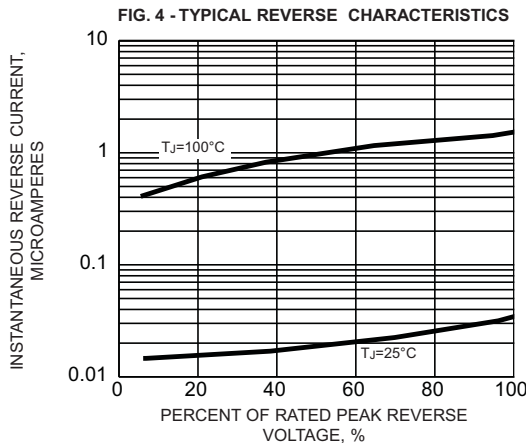
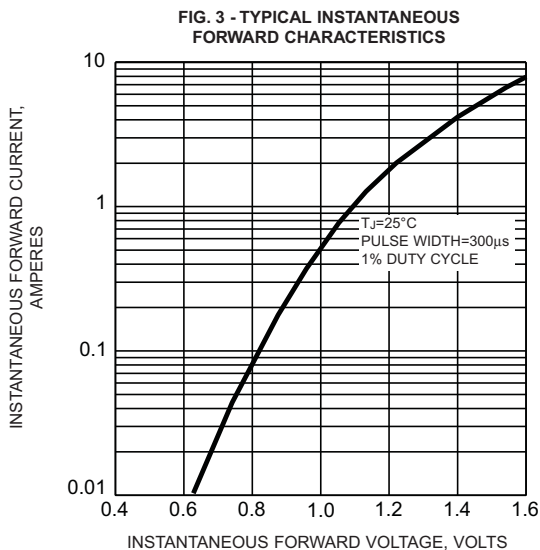
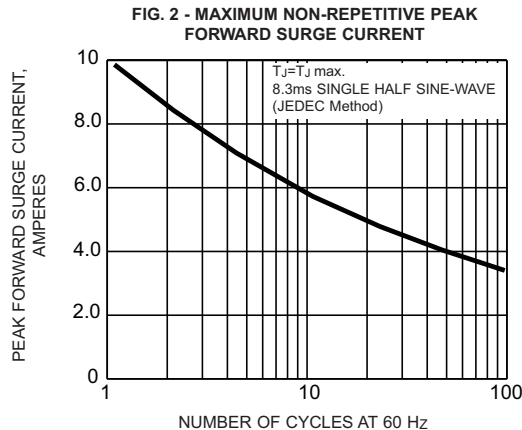
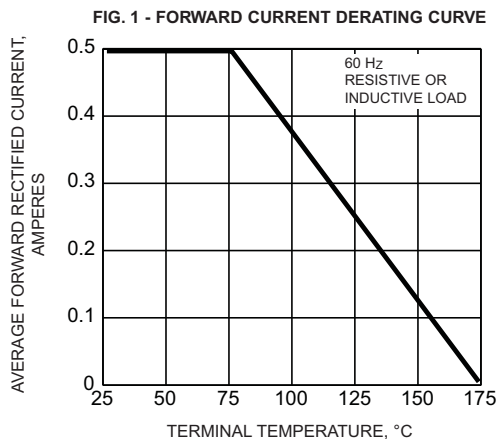
DIM	DIMENSION				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.134	.142	3.40	3.60	
B	.008	.016	0.20	0.40	
C	.055	.063	1.40	1.60	

SUGGESTED SOLDER PAD LAYOUT

The diagram shows the recommended dimensions for the solder pads. The distance between the centers of the pads is 0.105 inches. The width of each pad is 0.075 inches. The distance from the edge of the pad to the centerline is 0.030 inches.

GL34A thru GL34M

Ratings and Characteristic Curves (T_A = 25°C unless otherwise noted)





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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;2.5Kpcs/Reel

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