

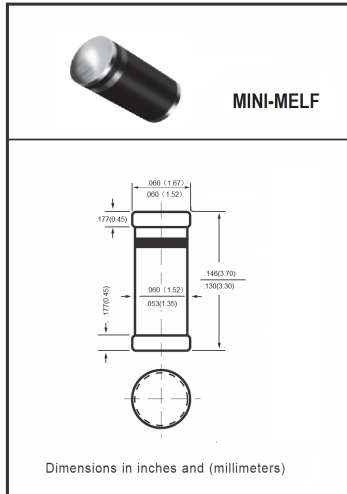


SHANGSI

# GL34A thru GL34J

表面安装整流二极管  
反向电压 50 --- 600 V  
正向电流 0.5A

Surface Mount Rectifiers  
Reverse Voltage 50 to 600 V  
Forward Current 0.5 A



## 特征 Features

- 表面安装应用 For surface mount applications
- 玻璃钝化烧结 Glass passivated chip junction
- 快速开关高频应用 Fast switching for high efficiency
- 高温焊接保证 260°C/10秒 High temperature soldering guaranteed: 260°C/10 seconds at terminals
- 引线 and 管体皆符合 RoHS 标准。 Lead and body according with RoHS standard

## 机械数据 Mechanical Data

- 封装: 塑料封装 Case: Molded plastic body
- 端子: 焊料被镀 Terminals: Solder plated
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any
- 重量 0.0014盎司, 0.036克 Weight: 0.0014 ounce, 0.036 gram

极限值和温度特性  $T_A = 25^\circ\text{C}$  除非另有规定。

**Maximum Ratings & Thermal Characteristics** Ratings at 25°C ambient temperature unless otherwise specified.

	Symbols	GL34A	GL34B	GL34D	GL34G	GL34J	Unit
最大反向峰值电压 Maximum repetitive peak reverse voltage	$V_{RRM}$	50	100	200	400	600	V
最大反向有效值电压 Maximum RMS voltage	$V_{RMS}$	35	70	140	280	420	V
最大直流阻断电压 Maximum DC blocking voltage	$V_{DC}$	50	100	200	400	600	V
最大正向平均整流电流 $T_T=75^\circ\text{C}$ Maximum average forward rectified current	$I_{F(AV)}$	0.5					A
正向峰值浪涌电流 8.3ms单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave	$I_{FSM}$	10					A
最大反向满负载漏电流 Maximum full load reverse current, full cycle average at $T_A=55^\circ\text{C}$	$I_{R(AV)}$	30					$\mu\text{A}$
典型热阻 (NOTE 3) Typical thermal resistance (NOTE 4)	$R_{\theta JA}$ $R_{\theta JT}$	150 70					$^\circ\text{C/W}$
工作结温和存储温度 Operating junction and storage temperature range	$T_J, T_{STG}$	-50---+150					$^\circ\text{C}$

电特性  $T_A = 25^\circ\text{C}$  除非另有规定。

**Electrical Characteristics** Ratings at 25°C ambient temperature unless otherwise specified.

最大瞬间正向电压 $I_F = 0.5\text{A}$ Maximum instantaneous forward voltage at 0.5A	$V_F$	1.2	V
最大反向直流漏电流 $T_A=25^\circ\text{C}$ Maximum DC reverse current $T_A=125^\circ\text{C}$	$I_R$	5.0 50	$\mu\text{A}$
典型反向恢复时间 Typical reverse recovery time (NOTE 1)	$T_{rr}$	1.5	$\mu\text{s}$
典型结电容 Type junction capacitance (NOTE 2)	$C_J$	4	pF

NOTES:

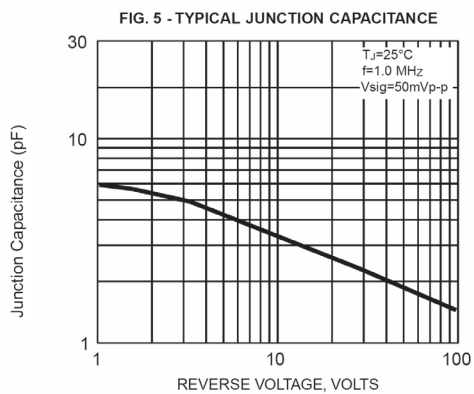
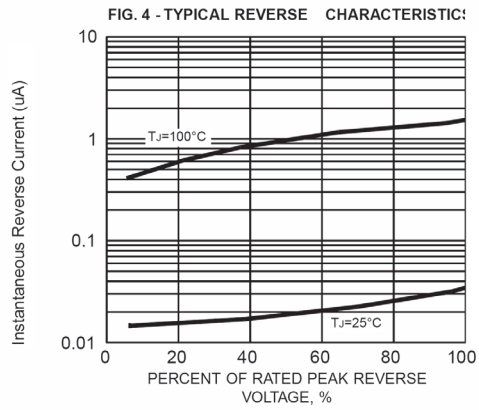
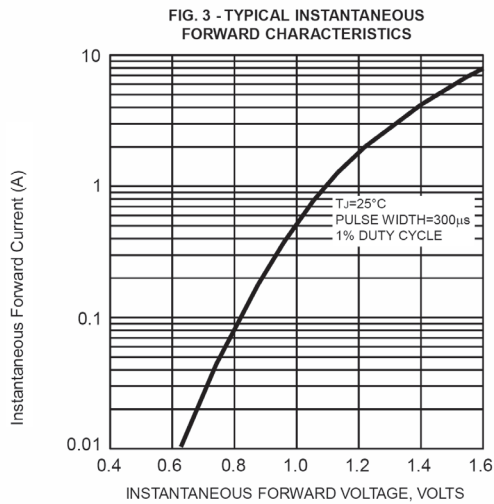
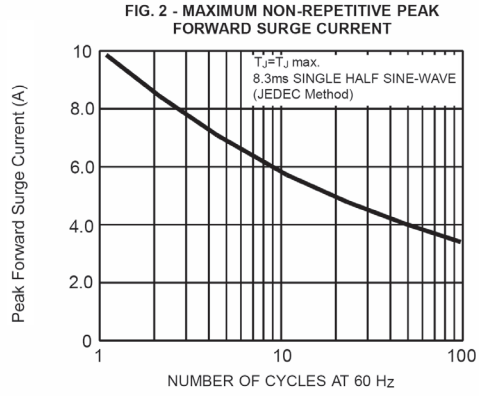
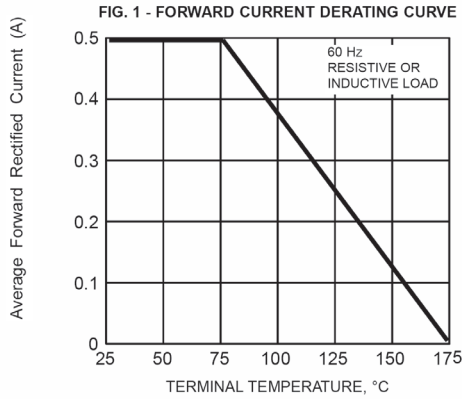
- (1) Reverse recovery test conditions  $I_F=0.5\text{A}, I_R=1.0\text{A}, I_{rr}=0.25\text{A}$
- (2) Measured at 1.0MHz and applied reverse voltage of 4.0 Volts
- (3) Thermal resistance from junction to ambient,  $0.2 \times 0.2'' (5.0 \times 5.0\text{mm})$  copper pads to each terminal
- (4) Thermal resistance from junction to terminal,  $0.2 \times 0.2'' (5.0 \times 5.0\text{mm})$  copper pads to each terminal



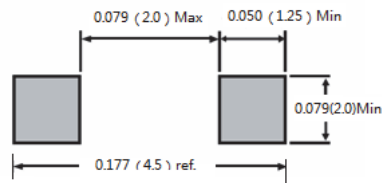
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GL34A thru GL34J

# 特性曲线 CHARACTERISTIC CURVES



### Mounting Pad Layout



### Packing

Part number	Component Package	Quantity	Packaging Option
GL34A-GL34J	MINI-MELF LL-34	3000	Tape & Reel – 8mm/7" tape

### Tape and Reel Specification

