



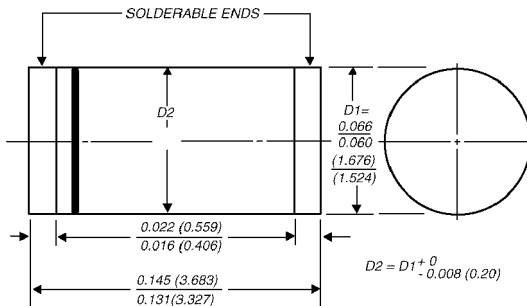
Description

0.5 Amp Silicon Passivated Rectifiers

Mechanical Dimensions

GL34A . . . 34J Series

DO-213AA



Dimensions in inches and (mm)

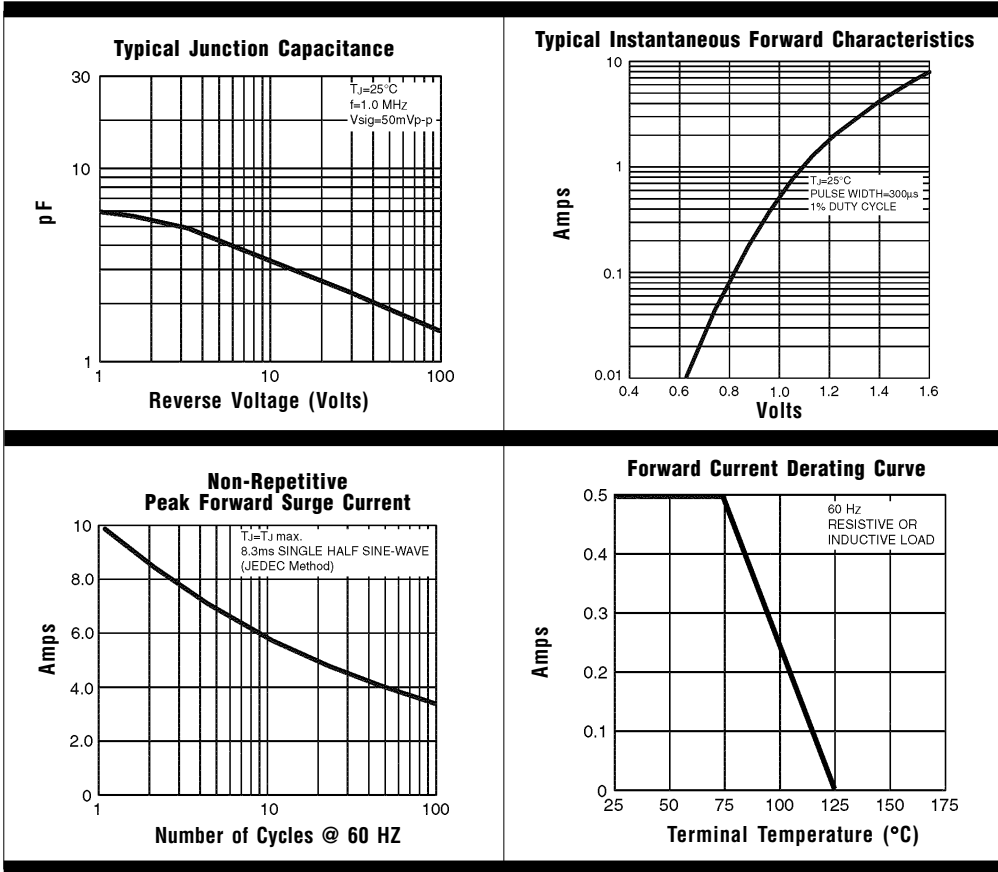
Features

- **LOW COST**
- **CASE: MOLDED PLASTIC**
- **0.5 AMP OPERATION @ $T_A = 75^\circ\text{C}$, WITH NO THERMAL RUNAWAY**
- **LOW LEAKAGE CURRENT**

Electrical Characteristics @ 25°C.	GL34A . . . 34J Series					Units
Maximum Ratings	GL34A	GL34B	GL34D	GL34G	GL34J	
Peak Repetitive Reverse Voltage... V_{RRM}	50	100	200	400	600	Volts
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280	420	Volts
DC Blocking Voltage... V_{DC}	50	100	200	400	600	Volts
Average Forward Rectified Current... $I_{F(av)}$ @ $T_A = 75^\circ\text{C}$	1.0					Amps
Peak Forward Surge Current... I_{FSM} 8.3ms single half sine wave superimposed on rated load (JEDEC Method)	10.0					Amps
Max. Full Load Reverse Current... $I_{R(AV)}$ Full Cycle Average @ $T_A = 55^\circ\text{C}$	50.0					μAmps
Max. Instantaneous Forward Voltage @ 1.0A... V_F	1.1					Volts
Max. DC Reverse Current... I_R @ Rated DC Blocking Voltage	5.0			250		$T_A = 25^\circ\text{C}$ μAmps
						$T_A = 125^\circ\text{C}$ μAmps
Typical Junction Capacitance... C_J (Note 1)	4.0					pF
Max. Thermal Resistance... $R_{\theta JC}$ (Note 2)	70.0					$^\circ\text{C/W}$
Max. Thermal Resistance... $R_{\theta JA}$ (Note 3)	125.0					$^\circ\text{C/W}$
Operating & Storage Temperature Range... T_J, T_{STRG}	-65 to 125					$^\circ\text{C}$

0.5 Amp Silicon Passivated Rectifiers

GL34A . . . 34J Series



Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 HZ Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.

- NOTES:**
1. Measured @ 1 MHz and applied reverse voltage of 4.0V.
 2. Thermal Resistance Junction to Case, 5.0mm² copper pad to each terminal.
 3. Thermal Resistance Junction to Ambient, 5.0mm² copper pad to each terminal.