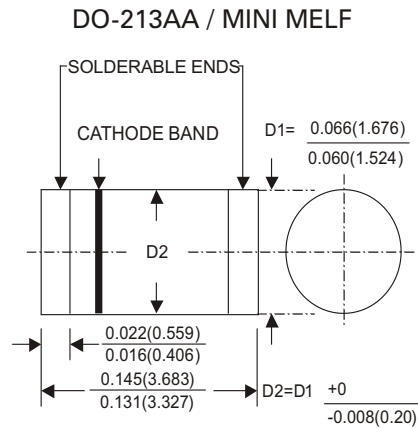


GL34A thru GL34M

SURFACE MOUNT GLASS PASSIVATED RECTIFIERS



Dimension in inches (millimeters)

FEATURES

- Ideal for surface mounted applications
- Easy pick and place
- Low leakage current
- Glass passivated chips
- Metallurgically bonded construction
- High temperature soldering guaranteed :
250°C/10 seconds/.375" , (9.5mm) lead lengths

MECHANICAL DATA

Case : Molded plastic use UL94V-0 recognized
flame retardant epoxy
Terminals : Plated terminals, solderable per
MIL-STD-202, Method208
Polarity : Silver Color band on body denotes cathode
Mounting position : Any
Weight : 0.036gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temp. unless otherwise specified
Single phase, half sine wave, 60Hz, resistive or inductive load
For capacitive load, derate current by 20%

	SYMBOL	GL 34A	GL 34B	GL 34D	GL 34G	GL 34J	GL 34K	GL 34M	UNITS
Maximum Current Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current@ $T_J=75^\circ\text{C}$	$I_{(AV)}$	0.5							Amps
Peak Forward Surge Current $\cdot$ 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	30							Amps
Maximum Instantaneous Forward Voltage at 0.5A	V_F	1.1							Volts
Maximum DC Reverse Current @ $T_A=25^\circ\text{C}$ at Rated DC Blocking Voltage $T_A=125^\circ\text{C}$	I_R	9.0							μA
Typical Junction Capacitance (Note 1)	C_J	15							pF
Typical Thermal Resistance (Note 2)	$R_{\theta JC}$	50							$^\circ\text{C} / \text{W}$
Operating and Storage Temperature Range T_J, T_{STG}	T_{STG}	-65 to +150							$^\circ\text{C}$

NOTES :

1. Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C
2. Thermal Resistance From Junction to Ambient

GL34A thru GL34M

SURFACE MOUNT GLASS PASSIVATED RECTIFIERS

RATING AND CHARACTERISTICS CURVES GL34A THRU GL34M

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

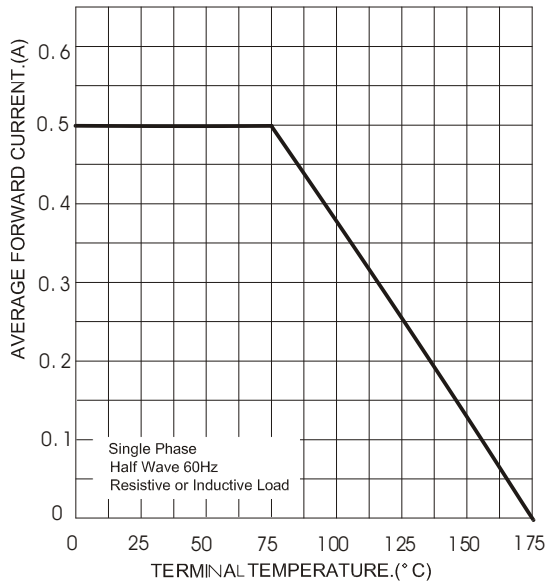


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

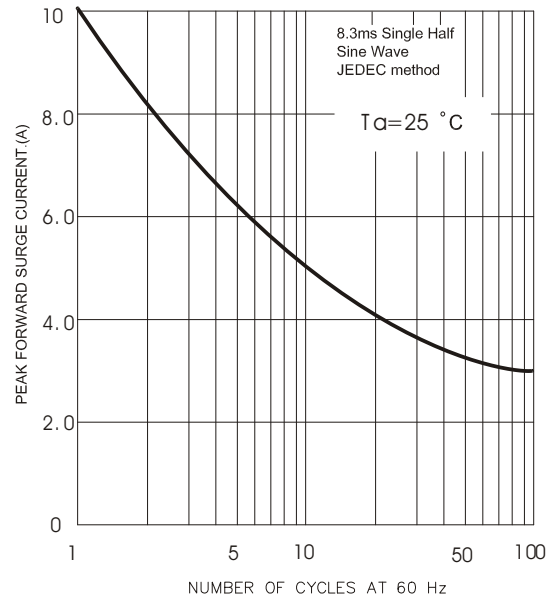


FIG.3-TYPICAL FORWARD CHARACTERISTICS

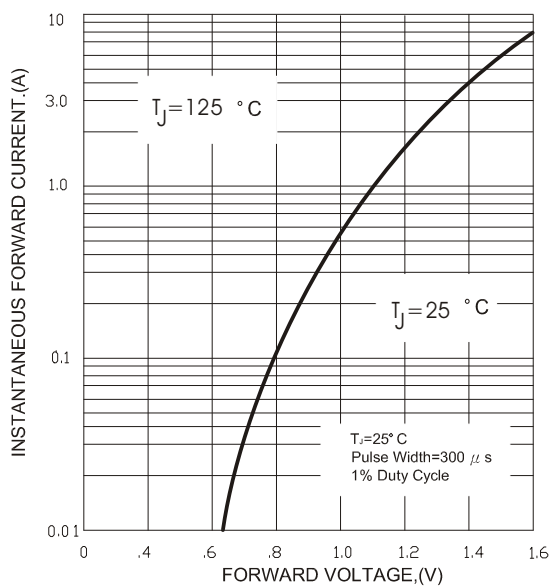


FIG.4-TYPICAL REVERSE CHARACTERISTICS

