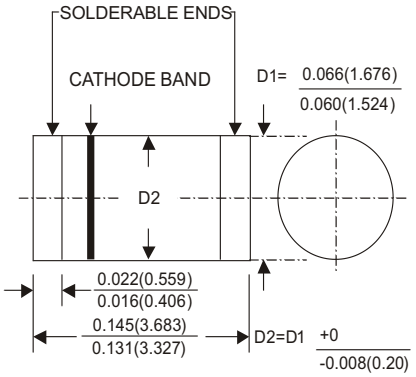
GL34A thru GL34M

SURFACE MOUNT GLASS PASSIVATED RECTIFIERS

DO-213AA / MINI MELF



Dimension in inches (millimeters)

FEATURES

- Ldeal 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 recoqnized 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 RATIXGS 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_T=75°C	$I_{(AV)}$	0.5							Amps
Peak Forward Surge Current ，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°C at Rated DC Blocking Voltage T_A=125°C	I_R	9.0							μA
Typical Junction Capacitance (Note 1)	C_J	15							pF
Typical Thermal Rseistance (Note 2)	$R_{\theta JC}$	50							°C / W
Operating and Storage Temperature Range T_J, T_{STG}	T_{STG}	-65 to +150							°C

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

SURFACE MOUNT GLASS PASSIVATED RECTIFIERS

RATING AND CHARACTERISTICS CURVES GL34A THRU GL34M

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

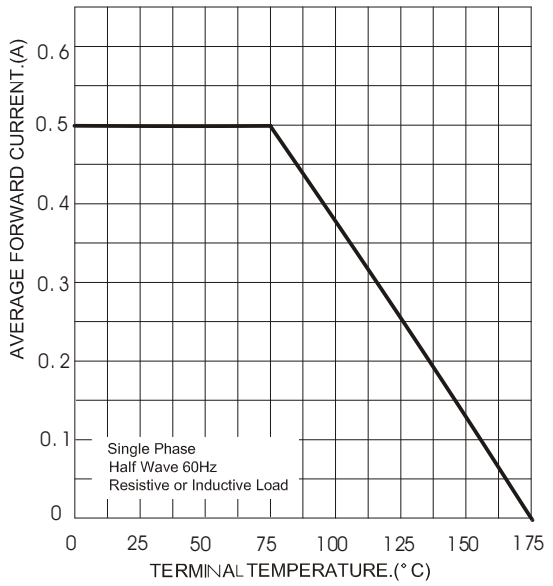


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

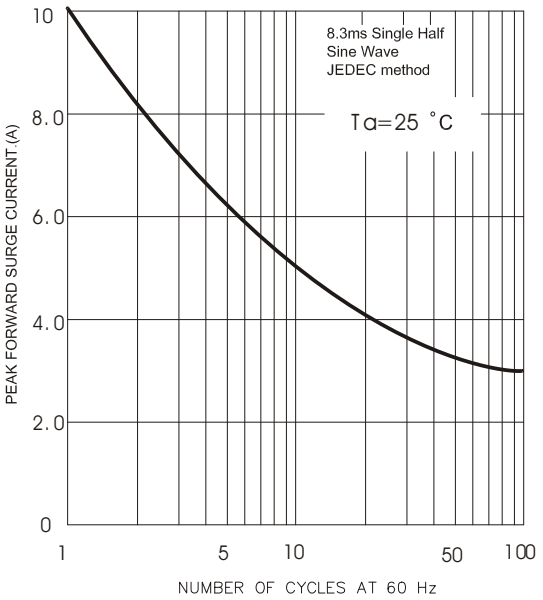


FIG.3-TYPICAL FORWARD CHARACTERISTICS

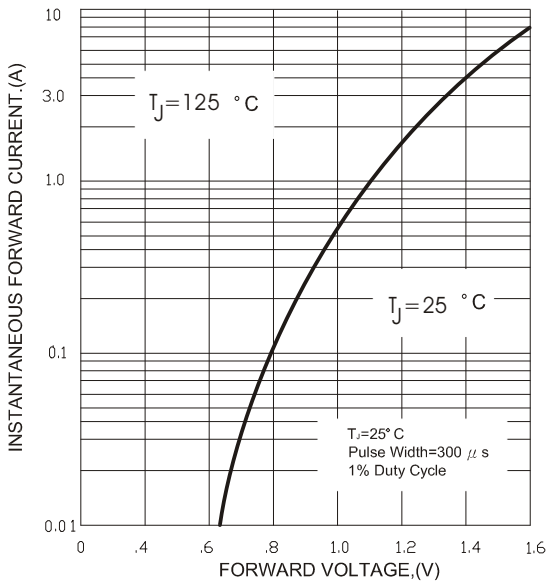


FIG.4-TYPICAL REVERSE CHARACTERISTICS