

GL34A THRU GL34M

SURFACE MOUNT GLASS PASSIVATED RECTIFIERS

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

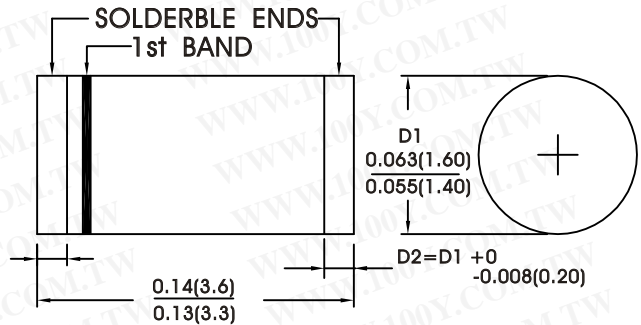
FEATURES:

- Ideal for printed circuit board
- Low forward voltage drop
- Low leakage current
- Plastic case MINIMELF
- High temperature soldering guarantee: 250°C/10sec.

MINIMELF/DO-213AA

MECHANICAL DATA

Case: Plastic material has UL classification 94V-0
 Terminals: Solder plated, solderable per MIL-STD-705F, Method 2026
 Polarity: Indicated by cathode band
 Mounting Position: Any
 Weight: 0.0036 grams



1st band denotes type positive and (cathode)

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

Characteristic	Symbol	GL 34A	GL 34B	GL 34D	GL 34G	GL 34J	GL 34K	GL 34M	Units
Maximum recurrent 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 voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at T _r =75°C	I _O	0.5							Amps
Peak forward surge current, 8.3ms single half sine-wave T _a =25°C	I _{FSM}	10							Amps
Maximum instantaneous forward voltage drop per leg bridge element at I _F =0.5 ADC	V _F	1.1							Volts
Maximum DC reverse current T _a =25°C	I _R	5							μA
Maximum DC blocking voltage T _a =125°C		100							
Typical junction capacitance (NOTE 1)	C _J	4.0							pF
Maximum thermal resistance (NOTE 2)	R _{θJA} R _{θJT}	125 70							°C/W
Operating temperature range	T _J	-65 to +175							°C
Storage temperature range	T _{stg}	-65 to +175							°C

NOTES:

- (1) Measured at 1.0MHz and applied reverse voltage of 4.0 voltage
 (2) Thermal resistance from ambient, 0.2x0.2"(5.0x5.0mm) copper pads to each terminal

RATINGS AND CHARACTERISTIC CURVES GL34A THRU GL34M

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

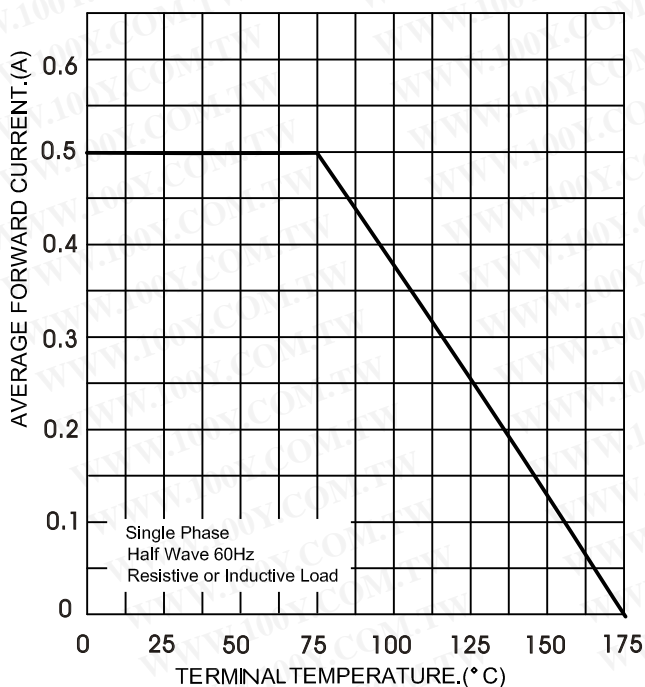


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

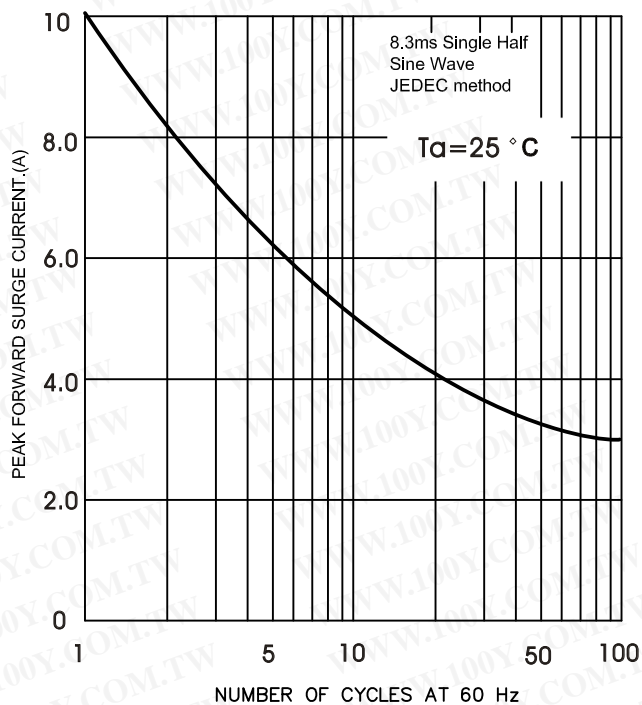


FIG.3-TYPICAL FORWARD CHARACTERISTICS

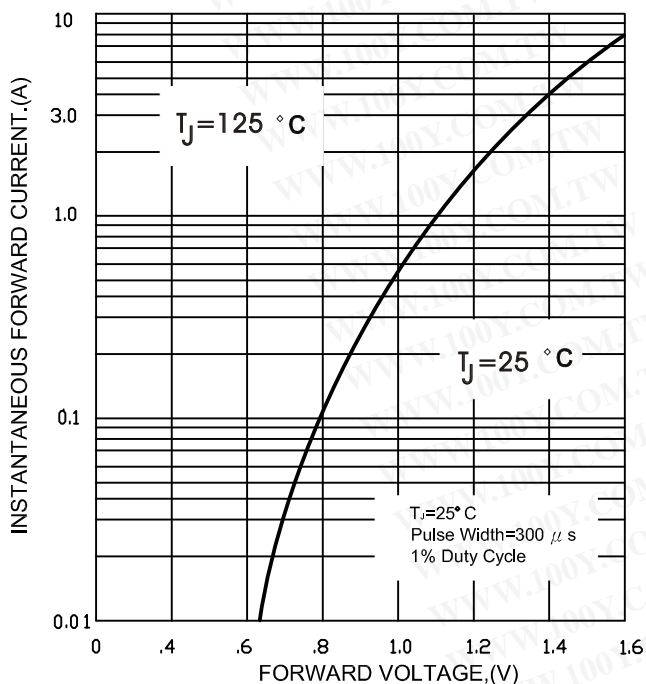
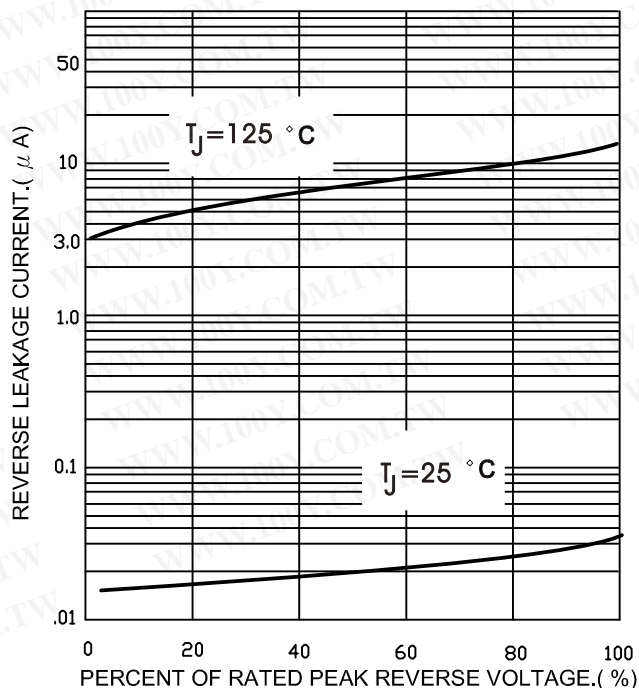


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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