

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)

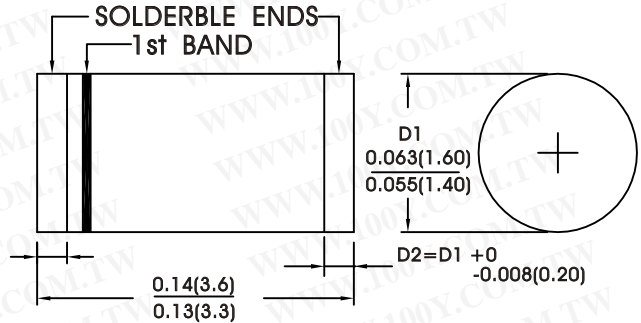
FEATURES:

- 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 Maximum DC blocking voltage | I _R | 5 | | | | | | | μA |
| T _a =25°C 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

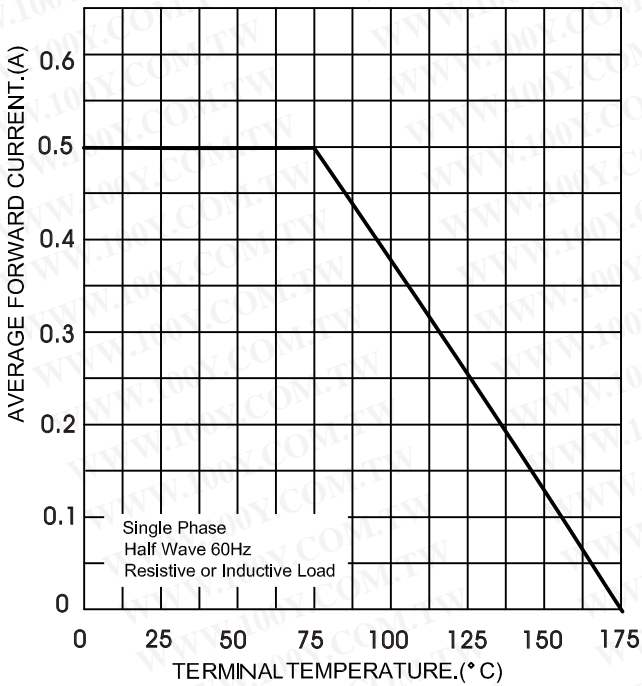


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

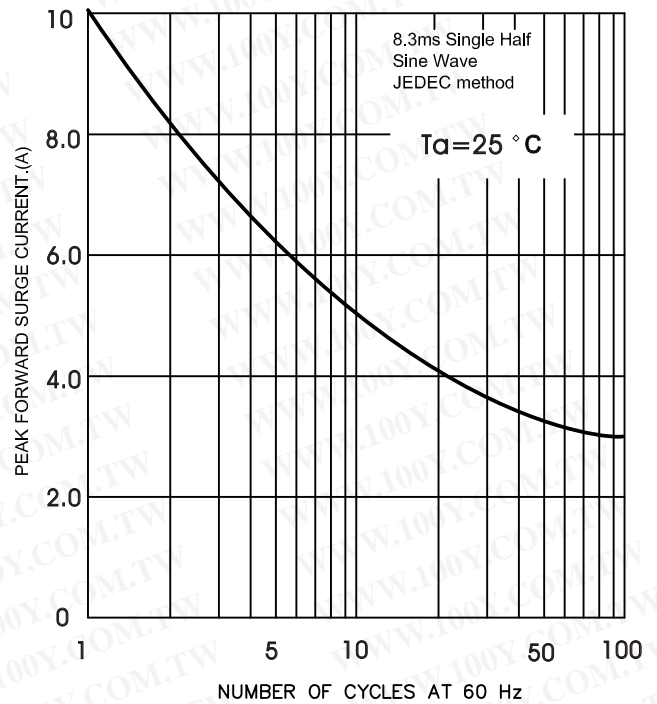


FIG.3-TYPICAL FORWARD CHARACTERISTICS

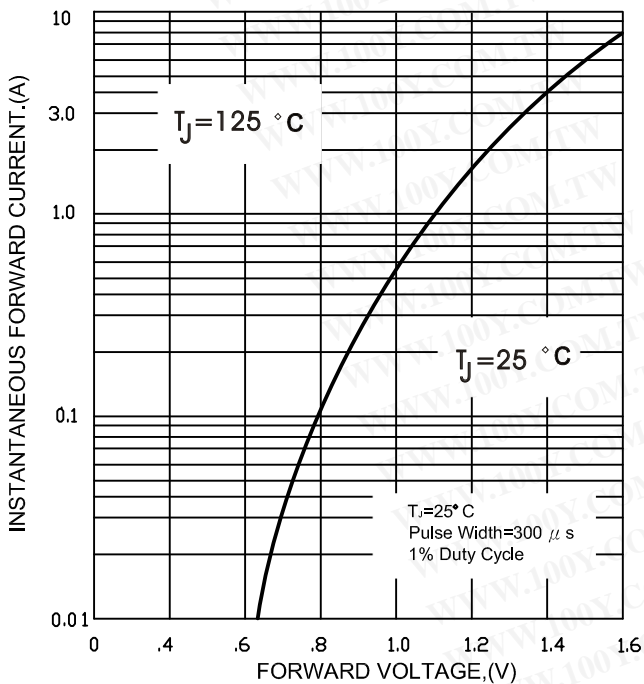
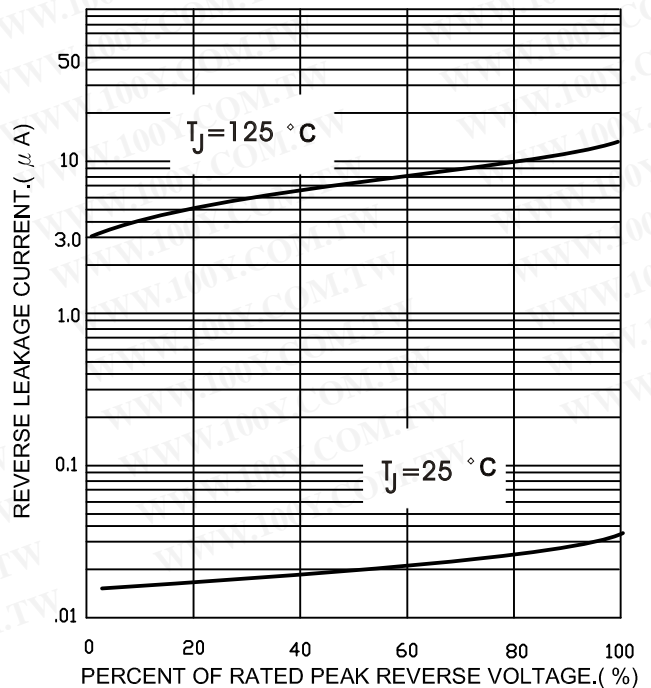


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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