

GL1A THRU GL1M

SURFACE MOUNT GLASS PASSIVATED RECTIFIERS

FEATURES:

- Ideal for printed circuit board
- Low forward voltage drop
- Low leakage current
- Plastic case MINIMELF

MINIMELF/DO-213AA

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)

MECHANICAL DATA

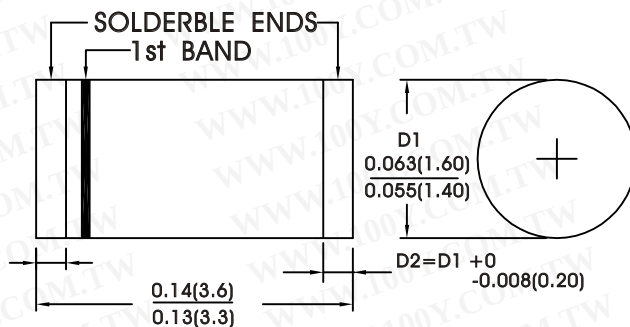
Case: Plastic material has UL classification 94V-0

Terminals: Solder plated, solderable per
 ML-STD-70 5F, Method 2026

Polarity: Indicated by cathode band

Mounting Position: Any

Weight: 0.0075 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 1A	GL 1B	GL 1D	GL 1G	GL 1J	GL 1K	GL 1M	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 .375"(9.5mm)lead lenht at T _r =75 °C	I _o	1.0							Amps
Peak forward surge current,8.3ms single half sine-wave T _a = 25 °C	I _{FSM}	25							Amps
Maximum instantaneous forward voltage drop per leg bridge element at 1.0ADC	V _F	1.2				1.3			Volts
Maximum DC reverse current T _a = 25 °C Maximum DC blocking voltage T _a = 125 °C	I _R	5 50							μ A
Operating temperature range	T _J	-50 to+ 175							° C
Storage temperature range	T _{stg}	-50 to+ 175							° C

RATINGS AND CHARACTERISTIC CURVES GL1A THRU GL1M

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)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

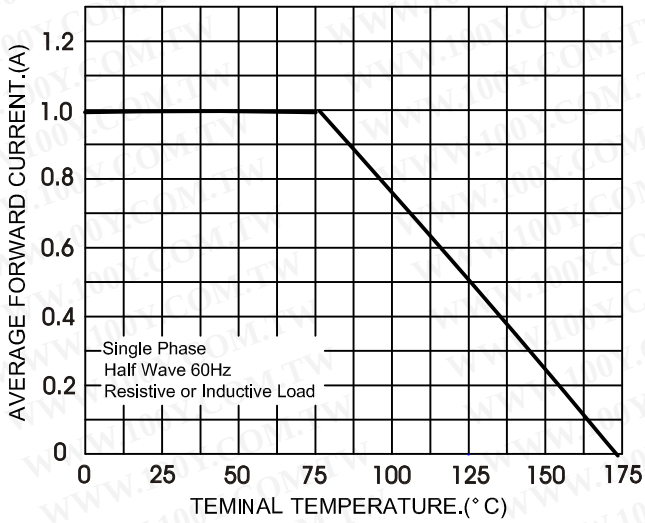


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

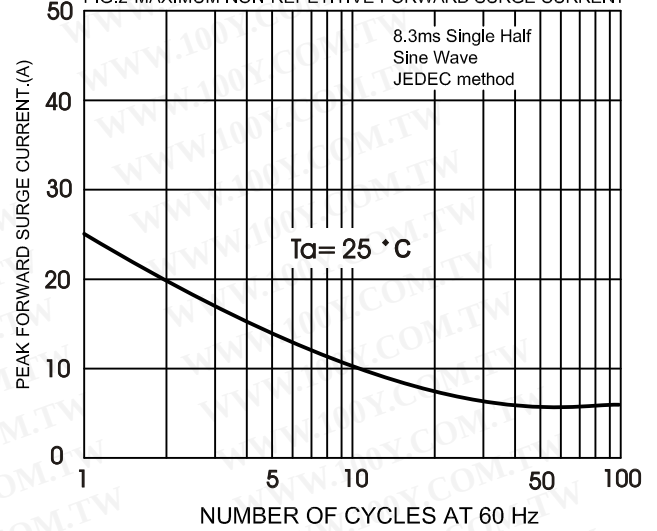


FIG.3-TYPICAL FORWARD CHARACTERISTICS

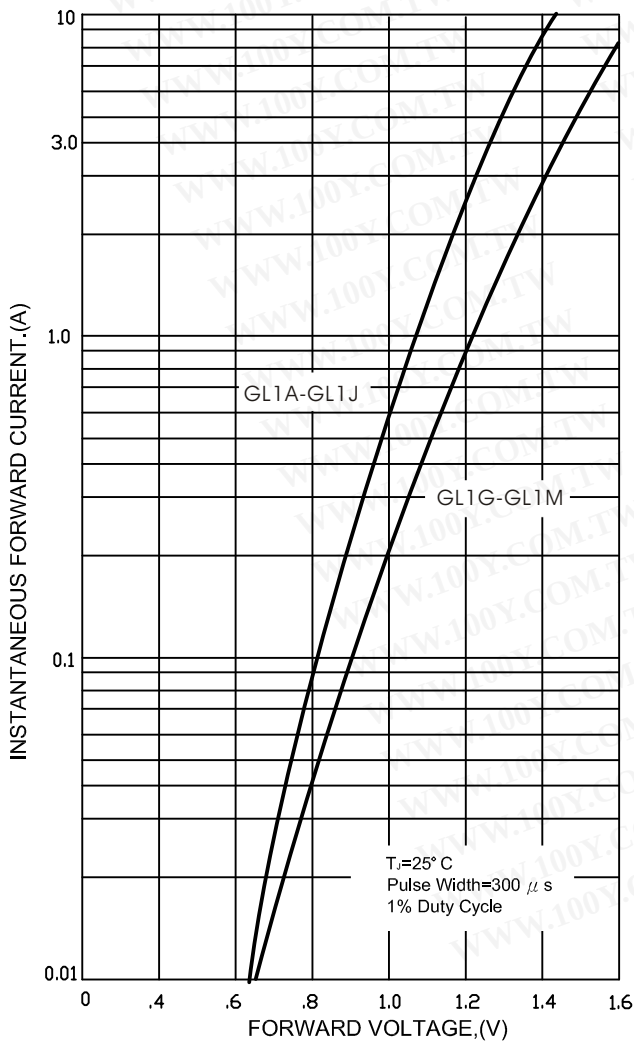


FIG.4-TYPICAL REVERSE CHARACTERISTICS

