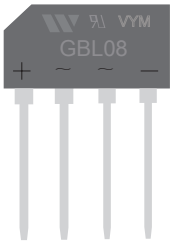
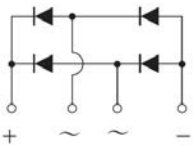
PRIMARY CHARACTERISTICS	
V_{RRM}	800V
I_O	4A
V_F	1.0
I^2t	$70A^2S$
$T_{J,Max}$	150℃

GBL PACKAGE

Marking :





V:Product Lines
Y:1-digit BC year code, 4-2014,5-2015…etc
M:Month, EX : 1-1,2-2,---10-O,11-N,12-D

FEATURES

- Ideal for printed circuit board
- Surge overload rating: 130 amperes peak
- Moisture Sensitivity Level 1

MECHANICAL DATA

- Case：Molded plastic,GBL
- Polarity：Shown above
- Terminals :Plated terminals, solderable per MIL-STD-750,Method 2026
- Epoxy : UL94-V0 rated flame retardant

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

MAXIMUM RATINGS (At T_A = 25°C unless otherwise noted)

RATINGS	SYMBOL	GBL08	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	800	Volts
Maximum RMS Bridge Input Voltage	V_{RMS}	560	Volts
Maximum DC Blocking Voltage	V_{DC}	800	Volts
Maximum Average Forward Output Current at T_C = 100°C	I_O	4.0	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	130	Amps
Current Squared Time	I^2t	70	A^2S
Operating and Storage Temperature Range	T_J ,T_{STG}	-55 to + 150	°C
Typical Junction Capacitance (Note)	C_J	40	pF

ELECTRICAL CHARACTERISTICS (At T_A = 25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	GBL08	
Maximum Forward Voltage Drop per Bridgeat Element at 2.0A DC		V_F	1.0	Volts
Maximum Reverse Current at Rated Dc Blocking Voltage per element	@T_A = 25°C	I_R	5.0	uAmps
	@T_A = 125°C		0.5	mAmps

NOTES： Measured at 1 MHz and applied reverse voltage of 4.0 volts

RATING AND CHARACTERISTIC CURVES (GBL08)

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

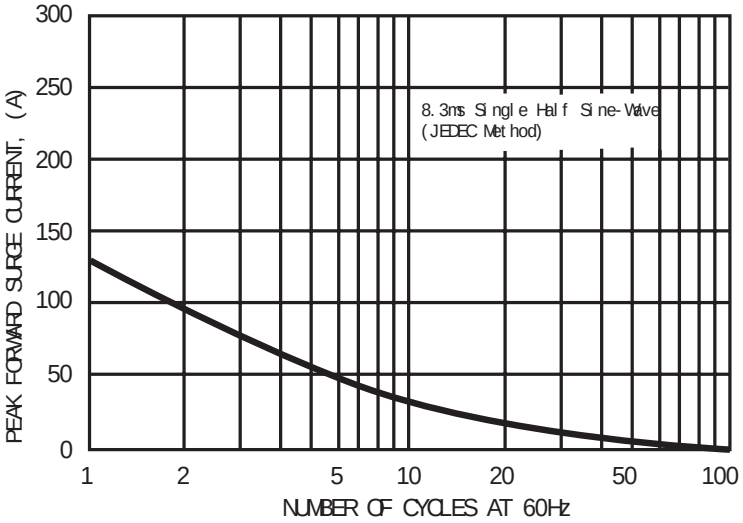


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

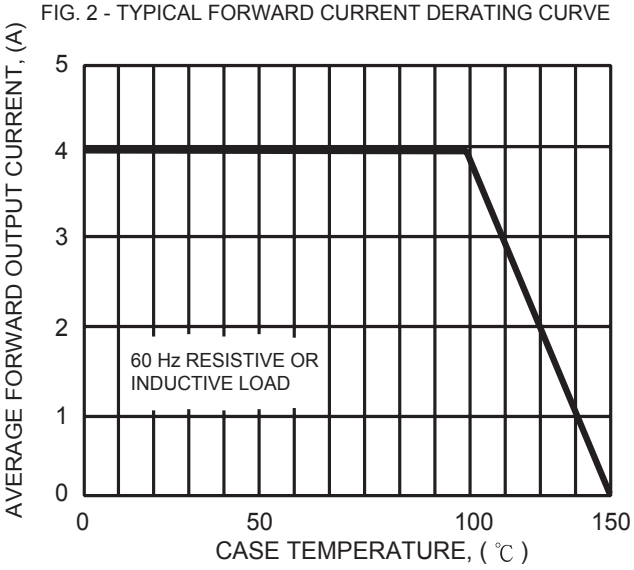


FIG. 3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

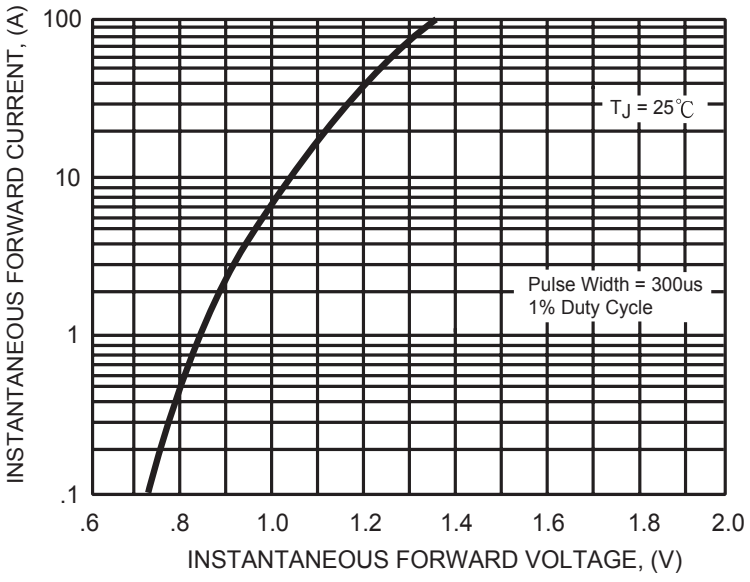
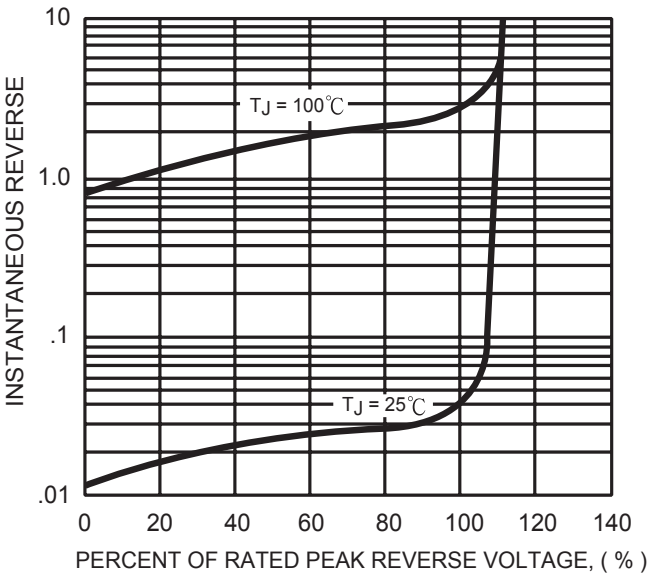
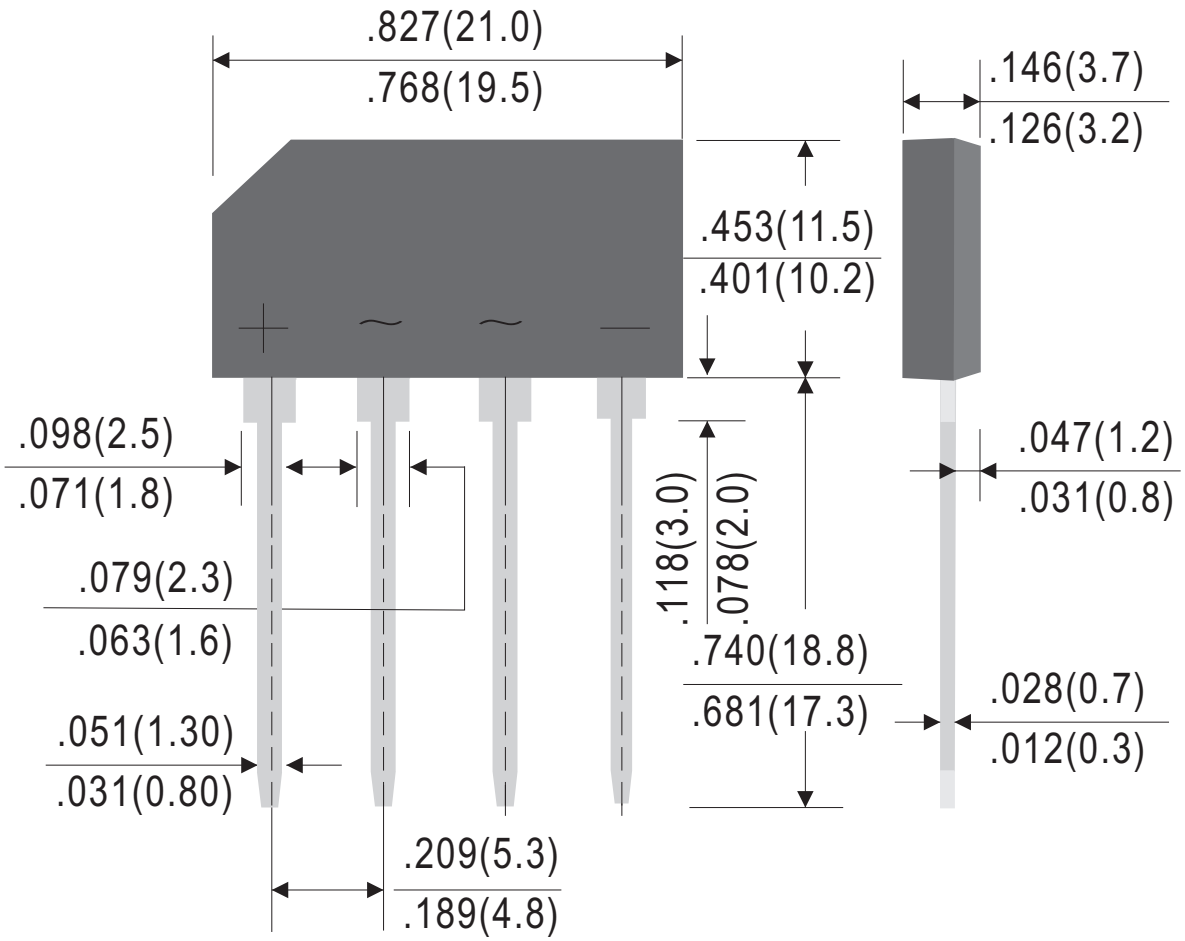


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS



Outline Drawing

GBL



Dimensions in inches and (millimeters)

Rev.E

Ordering Information:

Device PN	Packing
GBL08 - $^{(1)}$G$^{(2)}$-WS	Tube Packing:25pcs/Tube; 1350pcs/Box

Note: 1. Packing code: Empty is Tube Packing

2. RoHS product for packing code suffix ”G”, Halogen free product for packing code suffix "H" .

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