

.098(2.5)

\*45° Chamfer

> .059(1.5) .051(1.3)

.106(2.7) .091(2.3) .81(20.6)

.77(19.6)

.44(11.2)

.42(10.7)

.56(14.2)

.50(12.7)

.045(1.14)

.035(0.90)

## GBL4005 thru GBL410

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50** to **1000**Volts FORWARD CURRENT - **4.0**Amperes

#### **FEATURES**

.<u>142(3.6)</u> .133(3.4)

.043(1.1)

.035(0.9)

.020(0.51)

.015(0.38)

- Surge overload rating 125 amperes peak
- Ideal for printed circuit board
- Plastic material has underwriters laboratory flammability classification 94V-0
- Mounting position: Any
- •Weight: 0.076 ounces , 2.15 grams

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

.210 .190 (5.3) (4.8)

.210 .190

 $\frac{(5.3)}{(4.8)}$ 

.210 .190

 $\frac{(5.3)}{(4.8)}$ 

#### Package: GBL

CHARACTERISTICS	SYMBOL	GBL	GBL	GBL	GBL	GBL	GBL	GBL	UNIT
		4005	401	402	404	406	408	410	
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ Ta=50°C (Note1)	I(AV)	4.0							А
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	125							A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	VF	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage	IR	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage @ TA =150°C	lr	1.0							mA
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	Tstg	-55 to +150							°C

Note:1.Mounting conditions,0.5" lead length maximum.



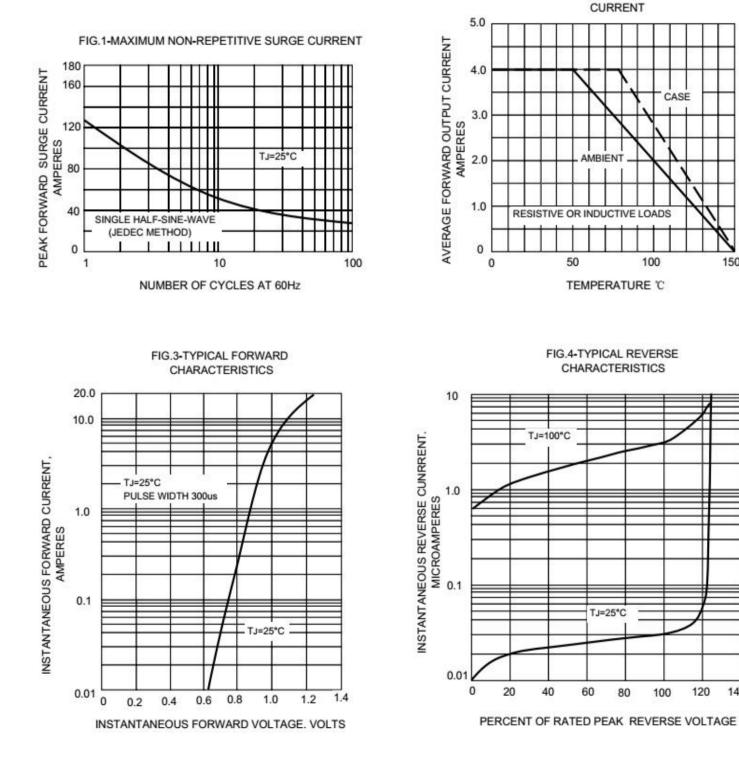
# GBL4005 thru GBL410

FIG.2-FORWARD DERATING

CASE

150

#### GLASS PASSIVATED **BRIDGE RECTIFIERS** RATING AND CHARACTERTIC CURVES



120

100

140