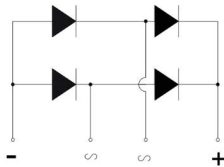
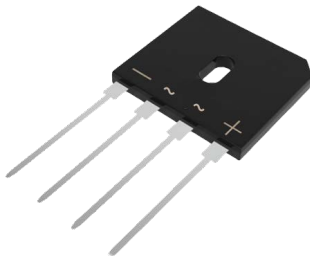


Schottky Bridge Rectifier

GBU



Features

- Glass Passivated Chip Junction
- Reverse Voltage - 100 V
- Forward Current - 10A
- High Surge Current Capability
- Thermal welding performance: 260 °C/10sec

Benefits

- Case: GBU
- Terminals: Solderable Per MIL-STD-750

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 current derate by 20 %.

Parameter	Symbols	KGBU1010	Units
Maximum Repetitive Peak Reverse Voltage	VRRM	100	V
Maximum RMS voltage	VRMS	70	V
Maximum DC Blocking Voltage	VDC	100	V
Average Rectified Output Current	Io	10	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	IFSM	200	A
I ² t rating for fusing (1ms< t < 8.3ms)	I ² t	166	A ² S
Maximum Forward Voltage at 5A	VF	0.9	V
Maximum DC Reverse Current @TA=25 °C at Rated DC Blocking Voltage @TA=125 °C	IR	5 500	μA
Typical Thermal Resistance	R _{jc}	1.5	°C/W
Operating and Storage Temperature Range	T _j , T _{stg}	-55 ~ +150	°C

RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)

FIG.1-MAXIMUM FORWARD SURGE CURRENT

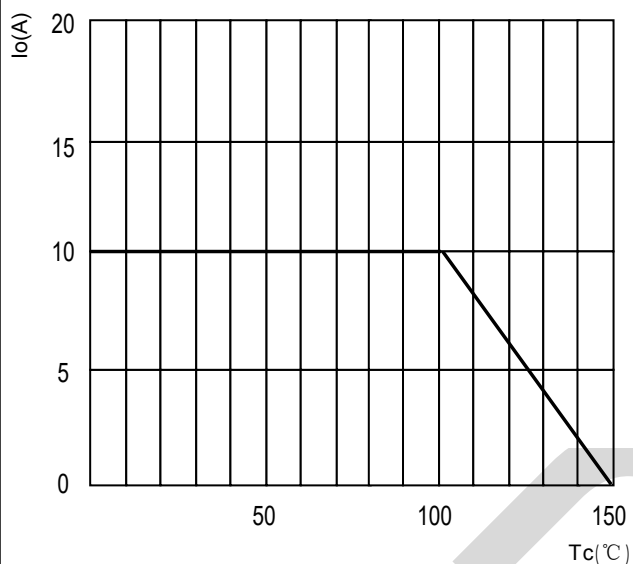


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

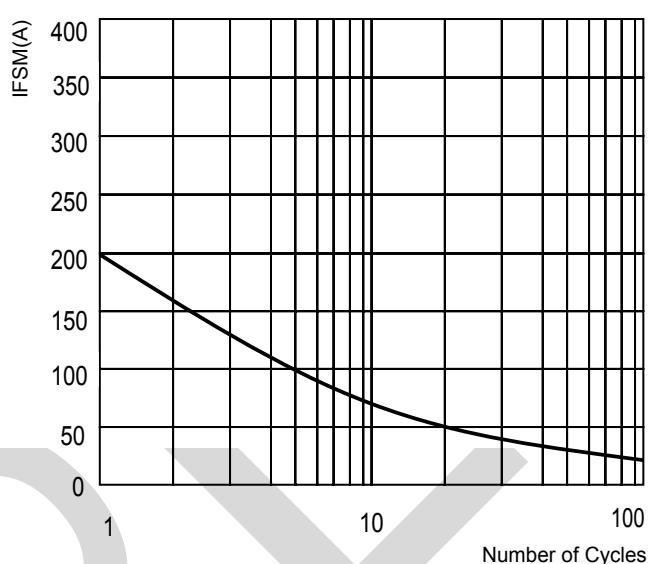


FIG.3-TYPICAL FORWARD CHARACTERISTICS

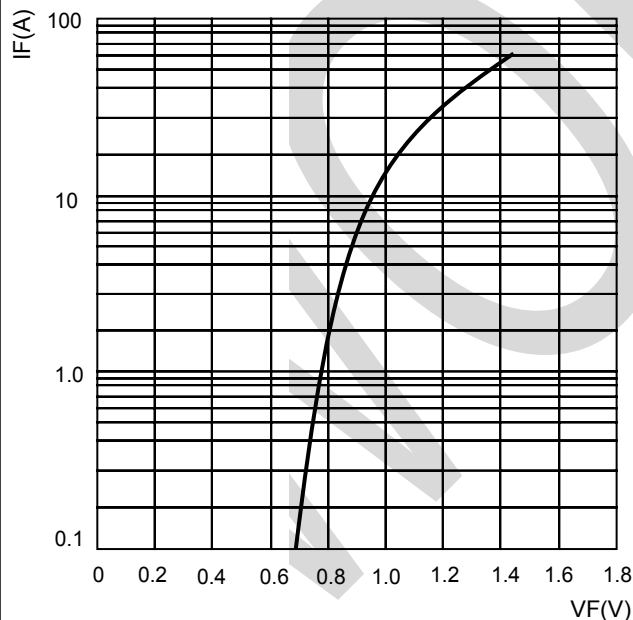
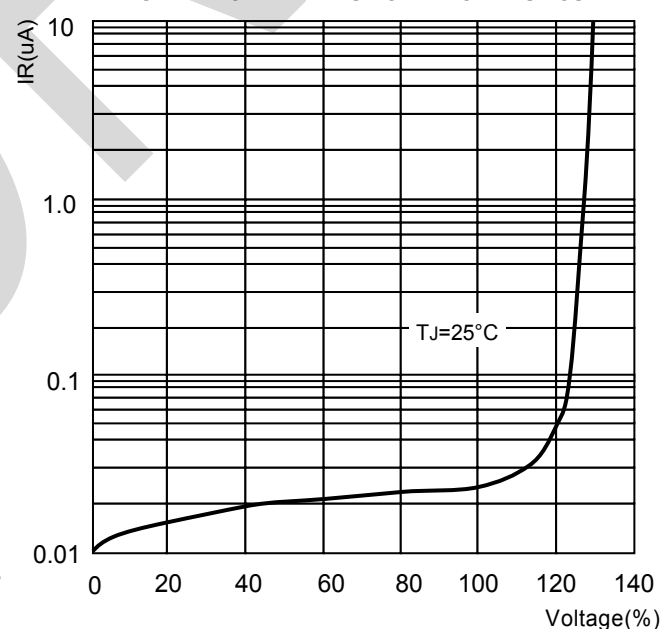
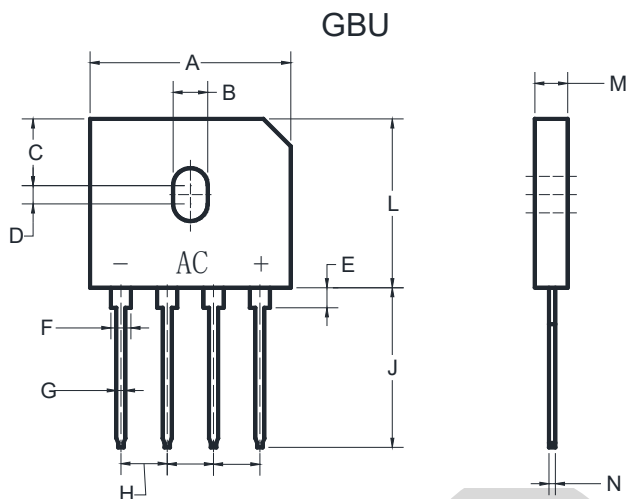


FIG.4-TYPICAL REVERSE CHARACTERISTICS



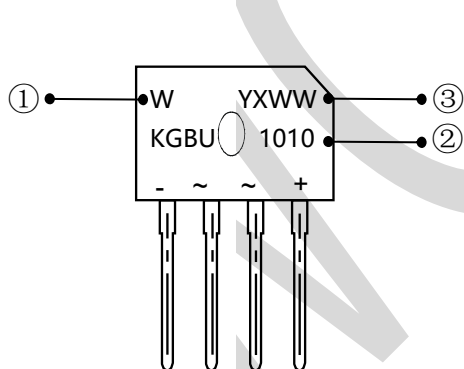
PACKAGE OUTLINE DIMENSIONS



Dimensions in millimeters

GBU		
Dim	Min	Max
A	21.70	22.50
B	3.40	4.10
C	7.40	8.00
D	1.65	2.26
E	2.25	2.85
F	2.05	2.4
G	1.02	1.37
H	4.83	5.43
J	17.0	18.6
L	18.3	18.9
M	3.30	3.66
N	0.46	0.66

Marking Information



- ①W : Company's trademark
- ②Product model : KGBU1010
- ③PDC information :

Y X WW

WW:Week code(01 to 53)

X:Internal identification code

Y:Year code(ex:0=2020)