GBU10005 THRU GB1010

.874(22.2) .860(21.8)

.154(3.9) .146(3.7)

.132(3.35)

.100(2.54) .085(2.16) .118(3.0)

.022(.56)

.018(.46)

SINGLE-PHASE BRIDGE RECTIFIER GLASS PASSIVATED BRIDGE RECTIFIERS REVERSE VOLTAGE 50 to 1000 Volts FORWARD CURRENT 10 Ampere

GBU

752(19.1)

720(18.3)

.079(2.0)

.720(18.29)

.680(17.27)

FEATURES

Rating to 1000V PRV

Ideal for printed circuit board

Reliable low cost construction utilizing molded plastic

Technique

The plastic material has UL flammability classification 94V-0

Electrically isolated base-1500 Volts

MECHANICAL DATA

Polarity: As marked on Body Weight: 0.15 ounces, 4.0 grams

Mounting position: Any

MAXIMUM RATINGS AND ELECTRICAL **CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified, Dimensions in inches and (millimeters) Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load derate current by 20% PARAMETER	SYMBOL	GBU	GBU	GBU	GBU	GBU	GBU	GBU	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	10005 50	1001	200	1004 400	1006 600	1008 800	1010 1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Current, @ Tc=100℃ (without heatsink)	I _(AV)	10							Α
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	IFSM	220							Α
Maximum Forward Voltage at 5.0A DC	V _F	1.0							V
Maximum DC Reverse Current @ T _J = 25°C	l _R	5.0 500							uA
at Rated DC blocking voltage	IK								
I ² t Rating for fusing (t < 8.3ms)	l ² t	200							A^2S
Typical Junction Capacitance per element (Note		60							n.E
1)	CJ								pF
Typical Thermal Resistance (Note 2)	Rejc	2.0							℃W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}$
Storage Temperature Range	Тѕтс	-55 to +150							$^{\circ}\!\mathbb{C}$

- 1- Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
- 2- Device mounted on 150mm x 150mm x 1.6mm Cu Plate Heatsink.

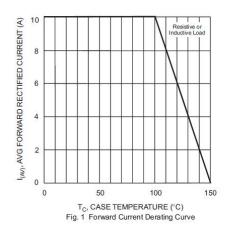
Kingtronics[®] International Company

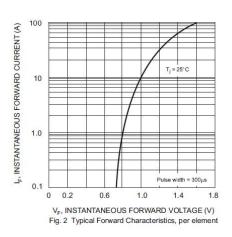
Fax: (852) 8106 7099 Website: www.kingtronics.com Email: info@kingtronics.com Tel: (852) 8106 7033

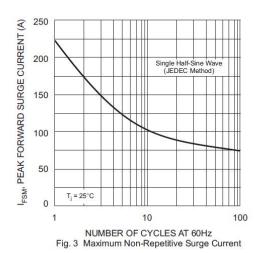
Kingtronics®

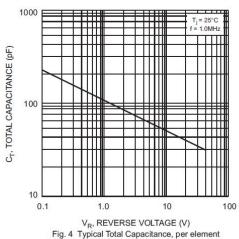
GBU10005 THRU GB1010

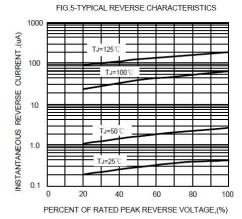
RATINGS AND CHARACTERISTIC CURVES











Note: Specifications are subject to change without notice.

Kingtronics ® International Company

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