

10 A Glass Passivated Bridge Rectifier

Features

- Glass Passivated Chip Junction
- Low Forward Voltage Drop
- High Reliability
- Ideal for Printed Circuit Boards
- High temperature soldering guaranteed: 260°C/10 seconds at 5lbs.(2.3kg) tension
- RoHS compliant



GBU



Mechanical Data

Case:	GBU, Epoxy meets UL 94V-0 flammability rating
Terminals:	Leads solderable per MIL-STD-202, Method 208
Polarity:	Polarity symbols marked on case
Mounting Torque:	5 in. – lbs. max.
Weight:	0.14 ounce, 4.0 gram

Maximum Ratings And Electrical Characteristics (T_{amb}=25°C)

Symbols	Parameter	GBU 10A	GBU 10B	GBU 10D	GBU 10G	GBU 10J	GBU 10K	Unit
V _{RRM}	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	V
V _{RMS}	Maximum RMS Input Voltage	35	70	140	280	420	560	V
V _{DC}	Maximum DC Blocking Voltage	50	100	200	400	600	800	V
I _(AV)	Maximum Average Forward Rectified Output Current at T _A = 100°C (Note 1)	10						A
I _{FSM}	Peak Forward Surge Current Single Sine-wave Superimposed on Rated Load (JEDEC Method)	200						A
V _F	Maximum Instantaneous Forward Voltage Drop per leg at 10.0A	1.1						V
I _R	Maximum DC Reverse Current at Rated DC Blocking Voltage per leg	T _A =25°C						µA
		T _A =125°C						
I _t	Rating for Fusing (1ms<t<8.3ms)	166						A ² s
T _J , T _{STG}	Operating and Storage Temperature Range	-55 to 150						°C

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GBU10A - GBU10K

Note:

1. Single Phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%

Rating and Characteristic Curves

Fig.1-Forward Current Derating Curve

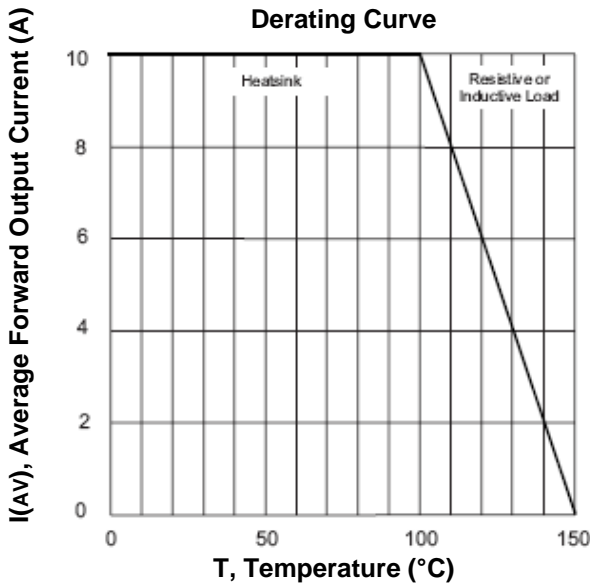


Fig.2-Maximum Non-Repetitive Surge Current

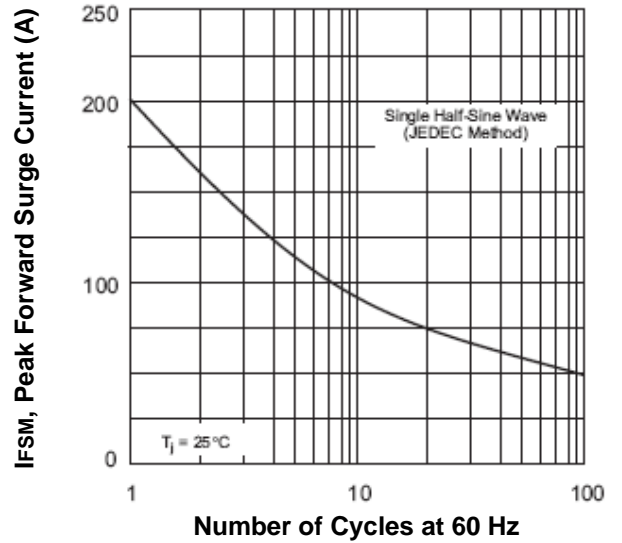


Fig.3- Typical Forward Characteristics, per leg

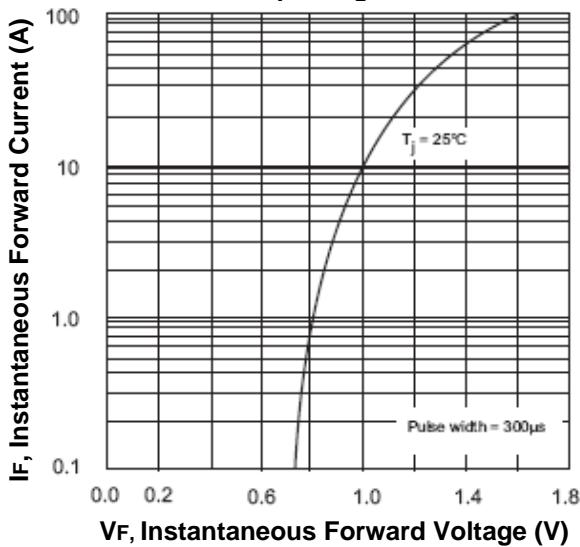
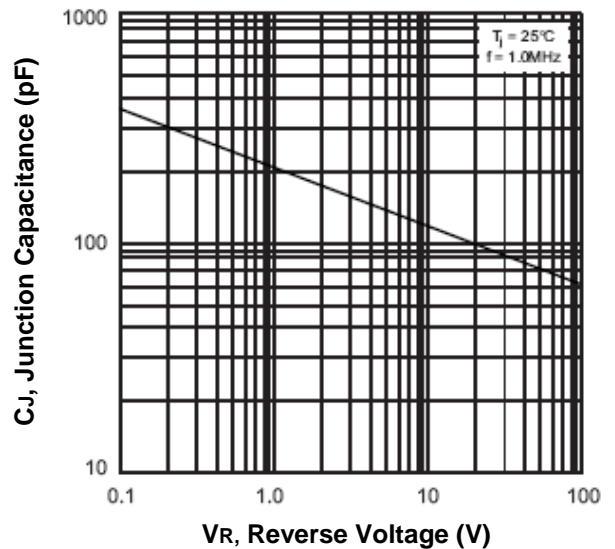


Fig.4-Typical Junction Capacitance

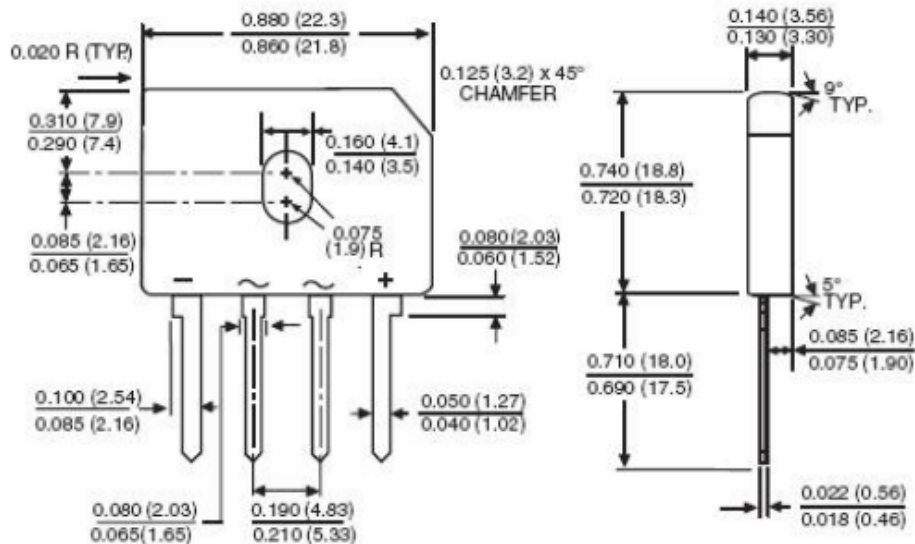


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GBU10A - GBU10K

Dimensions in inch (mm)

Case Type GBU



How to contact us

US HEADQUARTERS

28040 WEST HARRISON PARKWAY, VALENCIA, CA 91355-4162

Tel: (800) TAITRON (800) 247-2232 (661) 257-6060

Fax: (800) TAITFAX (800) 824-8329 (661) 257-6415

Email: taitron@taitroncomponents.com

Http://www.taitroncomponents.com

TAITRON COMPONENTS MEXICO, S.A .DE C.V.

BOULEVARD CENTRAL 5000 INTERIOR 5 PARQUE INDUSTRIAL ATITALAQUIA, HIDALGO C.P.

42970 MEXICO

Tel: +52-55-5560-1519

Fax: +52-55-5560-2190

TAITRON COMPONENTS INCORPORATED REPRESENTAÇÕES DO BRASIL LTDA

RUA DOMINGOS DE MORAIS, 2777, 2.ANDAR, SALA 24 SAÚDE - SÃO PAULO-SP 04035-001 BRAZIL

Tel: +55-11-5574-7949

Fax: +55-11-5572-0052

TAITRON COMPONENTS INCORPORATED, SHANGHAI REPRESENTATIVE OFFICE

METROBANK PLAZA, 1160 WEST YAN' AN ROAD, SUITE 1503, SHANGHAI, 200052, CHINA

Tel: +86-21-5424-9942

Fax: +86-21-5424-9931