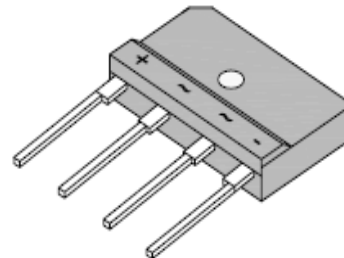


10 A Glass Passivated Bridge Rectifier

Features

- Glass Passivated Chip Junction
- High case dielectric strength of 1500 VRMS
- High surge current capability
- High temperature soldering guaranteed
260°C/10 seconds, 0.375" (9.5mm) lead length
- This series is UL recognized under component index, File number E194718
- RoHS compliant



KBJ



Mechanical Data

Case:	KBJ, molded plastic body, Epoxy meets UL 94V-0 flammability rating
Terminals:	Leads solderable per MIL-STD-750, Method 2026
Weight:	0.15 ounce, 4.0 gram

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

Symbols	Parameter	KBJ 10A	KBJ 10B	KBJ 10D	KBJ 10G	KBJ 10J	KBJ 10K	KBJ 10M	Unit	
V _{RRM}	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
V _{RMS}	Maximum RMS Input Voltage	35	70	140	280	420	560	700	V	
V _{DC}	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
I _(AV)	Maximum Average Forward Rectified Output Current at T _A =100°C	10							A	
I _{FSM}	Non-Repetitive Peak Forward Surge Current 8.3ms Single half Sine-wave Superimposed on Rated Load (JEDEC Method)	170							A	
V _F	Maximum Instantaneous Forward Voltage Drop per leg at 5.0A	1.05							V	
I _R	Maximum DC Reverse Current at Rated DC Blocking Voltage per leg	T _A =25°C							μA	
		T _A =125°C								
R _{JA}	Typical Thermal Resistance (Note)	2.5							°C/W	
C _J	Typical Junction Capacitance per leg (measured at 1.0MHz and applied reverse voltage of 4.0V)	211				94				pF
T _J , T _{STG}	Operating and Storage Temperature Range	-55 to 150							V	

Note: Unit mounted on 2.6"x1.4"x0.06 thick (6.5x3.5x0.15cm) AL.plate.

10 A Glass Passivated Bridge Rectifier

KBJ10A - KBJ10M

Rating and Characteristic Curves

Fig.1-Forward Current Derating Curve

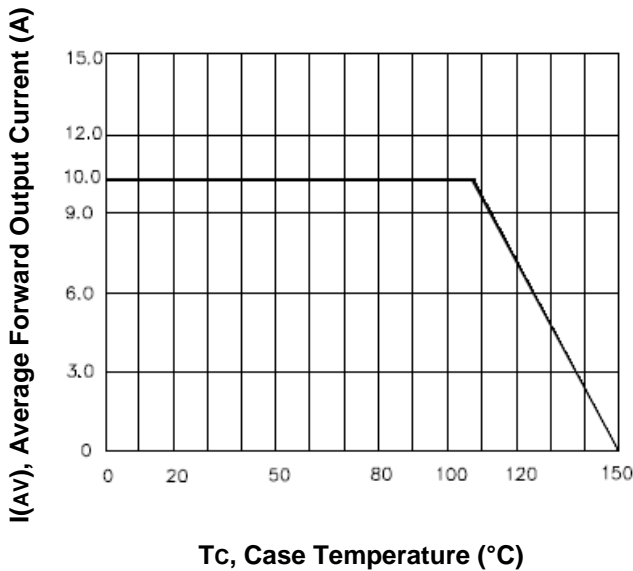


Fig.2-Maximum Non-Repetitive Surge Current per Leg

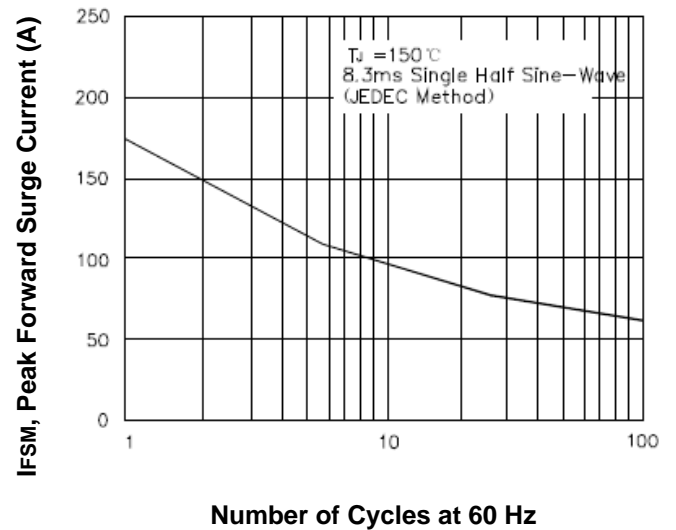


Fig.3- Typical Forward Characteristics, per leg

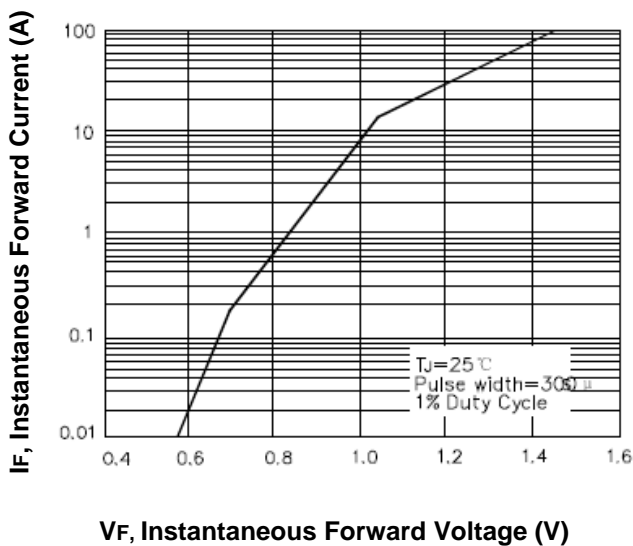
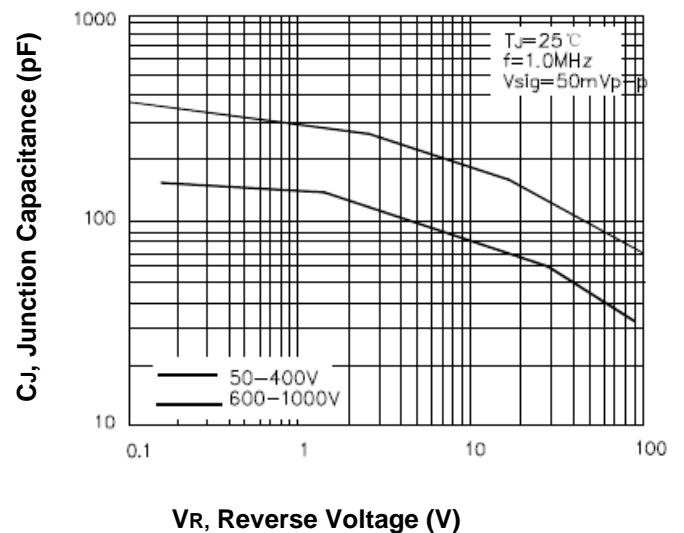


Fig.4-Typical Junction Capacitance, per leg

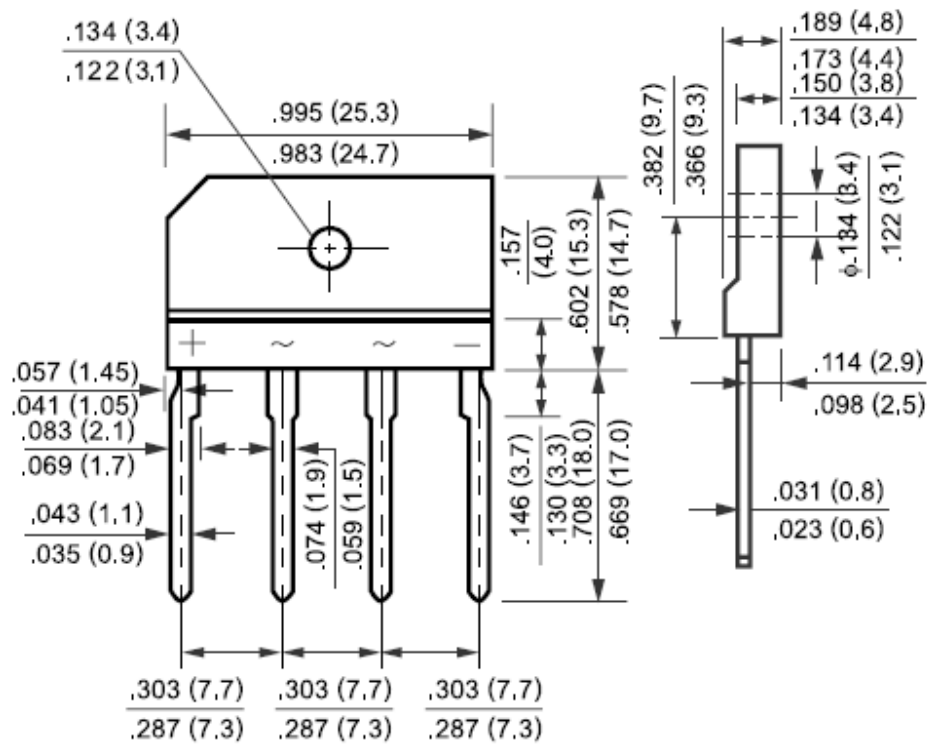


10 A Glass Passivated Bridge Rectifier

KBJ10A - KBJ10M

Dimensions in inch (mm)

KBJ



10 A Glass Passivated Bridge Rectifier

KBJ10A - KBJ10M

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