SENSITRON SEMICONDUCTOR

KBJ25A - KBJ25Q

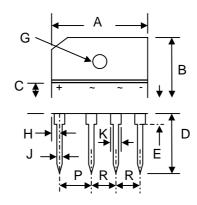
25A BRIDGE RECTIFIER

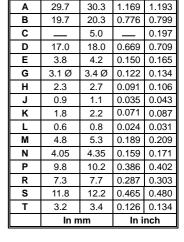
Dim

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Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards





KBJ-6

Max

Min

Max

Min

Mechanical Data

Case: Molded Plastic

 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: As Marked on Body

Weight: 4.0 grams (approx.)Mounting Position: Any

Marking: Type Number

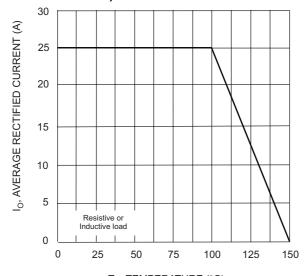
Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

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

Characteristic	Symbol	KBJ 25A	KBJ 25B	KBJ 25D	KBJ 25G	KBJ 25J	KBJ 25K	KBJ 25M	KBJ 25Q	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	200	400	600	800	1000	1200	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	840	٧
Average Rectified Output Current @T _C = 100°C (Note 1)	lo	25								А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	300								А
Forward Voltage (per element) @I _F = 12.5A	VFM	1.1								٧
	lR	10 200								μA
Typical Thermal Resistance (per leg) (Note 1)	R _θ JC	0.6								°C/W
Operating and Storage Temperature Range	Тj, Tsтg	-55 to +150								°C

Note: 1. Device mounted on 220 x 220 x 1.6mm thick AL plate heatsink.

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T, TEMPERATURE (°C) Fig. 1 Forward Current Derating Curve

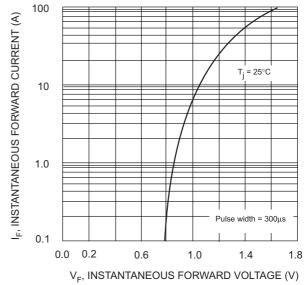


Fig. 2 Typical Fwd Characteristics, per element

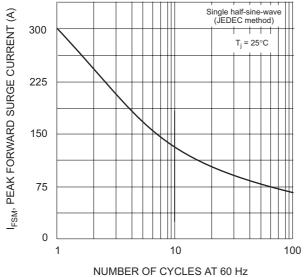


Fig. 3 Maximum Non-Repetitive Surge Current

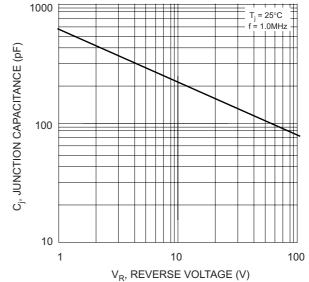


Fig. 4 Typical Junction Capacitance

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