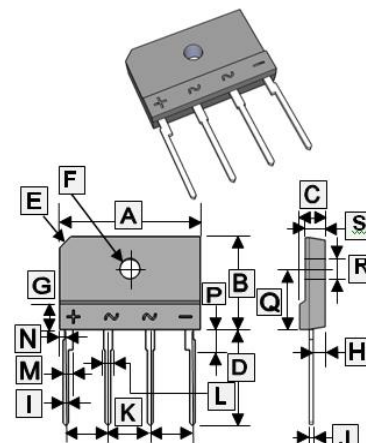


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has Underwriters Laboratory flammability classification 94V-0

KBJ



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	24.7	25.3	J	0.6	0.8
B	14.7	15.3	K	7.3	7.7
C	4.4	4.8	L	1.5	1.9
D	17.0	18.0	M	1.7	2.1
E	3.0 x 45°		N	1.05	1.45
F	3.1	3.4	P	3.3	3.8
G	4.0		Q	9.3	9.7
H	2.5	2.9	R	3.1	3.4
I	0.9	1.1	S	3.4	3.8

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter		Symbol	Part Number				Unit
			S10KBJ20	S10KBJ40	S10KBJ60	S10KBJ80	
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	200	400	600	800	V
Peak Reverse Current ²		I _{RRM}	10				μA
Average Rectified Output Current @50HZ sine wave, R-load	T _C =108°C (with heat sink)	I _O	10				A
	T _A =25°C (without heat sink)		2.7				
Peak Forward Surge Current @ 50Hz sine wave, 1 cycle, T _A =25°C		I _{FSM}	170				A
Maximum Peak Forward Voltage ³		V _{FM}	1.1				V
I ² t Rating for Fusing @1ms≤t<8.3ms, T _J =25°C, Rating of per diode		I ² t	120				A ² s
Mounting Torque @ Recommend torque:5kg·cm		TOR	8				Kg · cm
Dielectric Strength ¹		V _{dis}	2.5				kV
Typical Thermal Resistance (with heat sink)		R _{θJC}	2.3				°C/W
Typical Thermal Resistance		R _{θJA}	26				°C/W
Operating and Storage temperature range		T _J , T _{STG}	150, -40~150				°C

Notes :

1. Terminals to case · AC 1 minute
2. $V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode.
3. $I_{FM}=5.0A$, Pulse measurement, Rating of per diode

RATINGS AND CHARACTERISTIC CURVES

