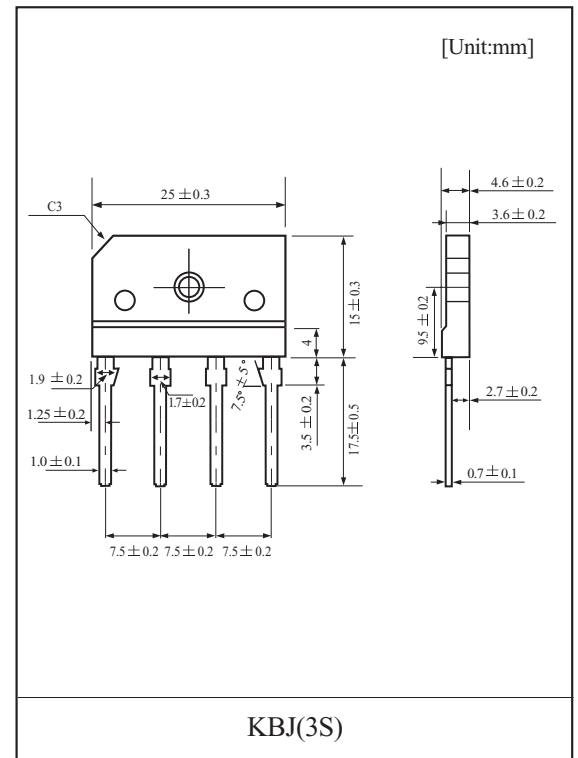


FEATURES

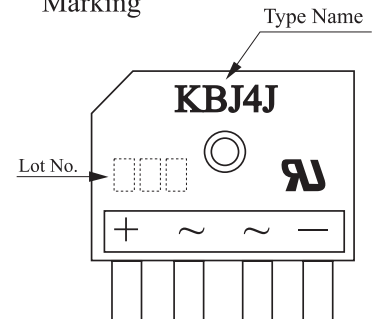
- Surge overload rating-150 Amperes peak.
- Ideal for printed circuit boards.
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0.
- Mounting Position : Any.

MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive peak reverse voltage	V_{RRM}	600	V
RMS voltage	V_{RMS}	420	V
DC blocking voltage	V_{DC}	600	V
Average forward rectified output current (T _C =100 °C)	$I_{F(AV)}$	4.0	A
Peak forward surge current	I_{FSM}	150	A
Rating for fusing (t<8.3ms)	I ² t	93	A ² sec
Operating Junction	T _j	-55~150	°C
Storage Temperature Range	T _{stg}	-55~150	°C



Marking



ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
Forward voltage	V_F	$I_F=2.0A$	-	-	1.0	V
Reverse Leakage current	I_R	$V_R=600V$	-	-	5	μA
			-	-	500	
Junction capacitance	C_J	$V_R=4.0V, f=1.0MHz$	-	45	-	pF
Thermal resistance (Note1)	$R_{th}(C)$	Junction to case	-	-	5.5	°C/W

Note 1) Device mounted on 40mm × 40mm × 1.5mm Al plate heatsink.

Fig.1 Derating Curve Output Rectified Current

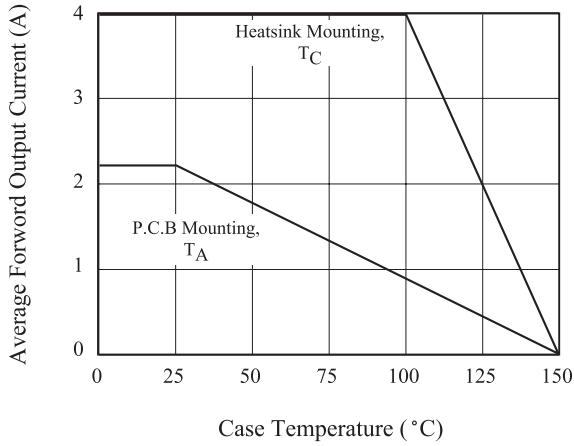


Fig.2 Maximum Non-Repetitive Peak Forward Surge Current per Leg

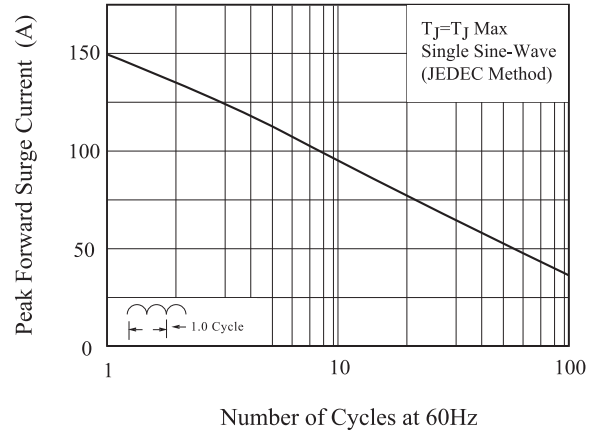


Fig.3 Typical Forward Characteristics

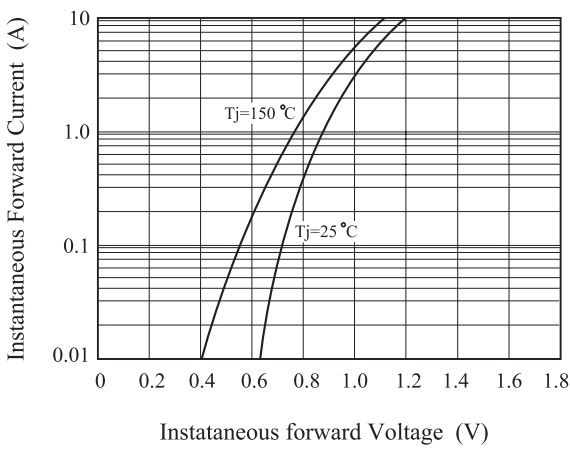


Fig.4 Typical Reverse Characteristics

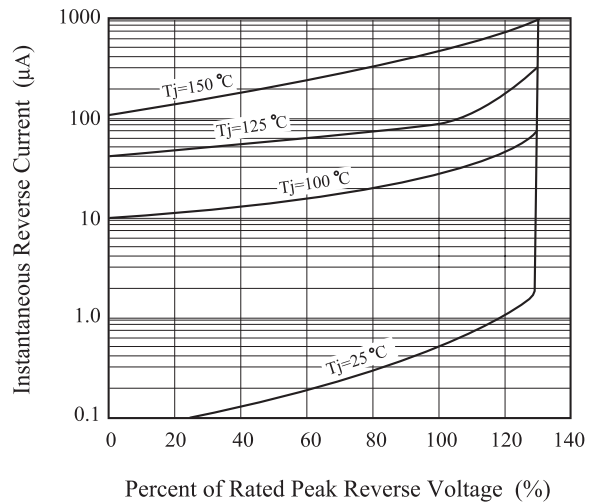


Fig.5 Typical Junction Capacitance

