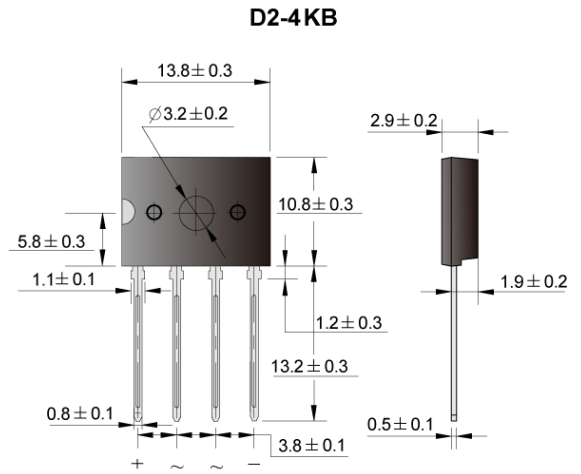


RoHS Compliant Product

A suffix of "-C" specifies halogen-free and RoHS Compliant

FEATURES

- Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- High current capacity with small package
- Glass passivated chip junctions
- Superior thermal conductivity
- High IFSM



Dimensions in inches and (millimeters)

MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

PARAMETERS	SYMBOL	PART NUMBERS						UNITS
		D2KB 10	D2KB 20	D2KB 40	D2KB 60	D2KB 80	D2KB 100	
Maximum repetitive voltage	V _{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	70	140	280	420	560	700	V
Maximum DC blocking voltage	V _{DC}	100	200	400	600	800	1000	V
Maximum DC reverse current at @T _A =25°C	I _R	5						μA
rated DC blocking voltage @T _A =125°C		500						
Average rectified forward current @T _C =100°C	I _O	2.0						A
60Hz Sine wave Resistance load @T _A =40°C		1.2						
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	75						A
Rating of fusing (t < 8.3ms)	I ² t	27						A ² sec
Maximum Instantaneous Forward Voltage @ 2.0A	V _F	1.0						V
Dielectric strength terminals to case, AC 1 minute Current 1mA	V _{dia}	2.5						KV
Maximum thermal on P.C.B without heat-sink	R _{θJA}	13.4						°C / W
Resistance per leg on Al plate heat-sink	R _{θJC}	2.3						
Operating and Storage Temperature Range	T _J , T _{STG}	150 , -55 ~ 150						°C

CHARACTERISTIC CURVES

Fig. 1 Derating Curve

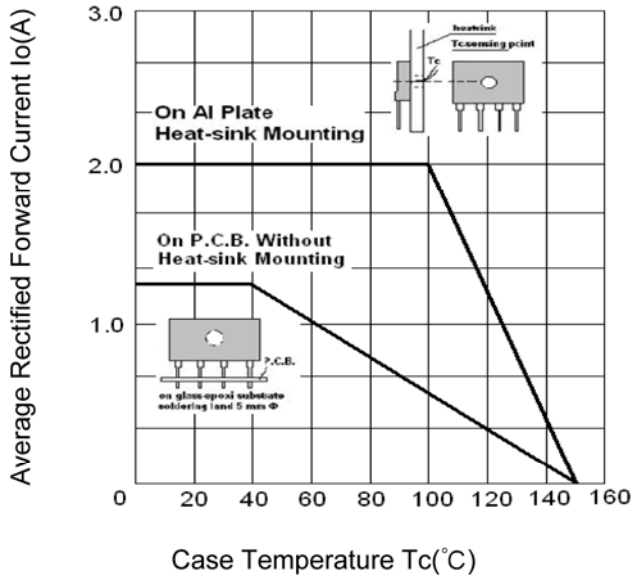


Fig.2 Typical Reverse Characteristics

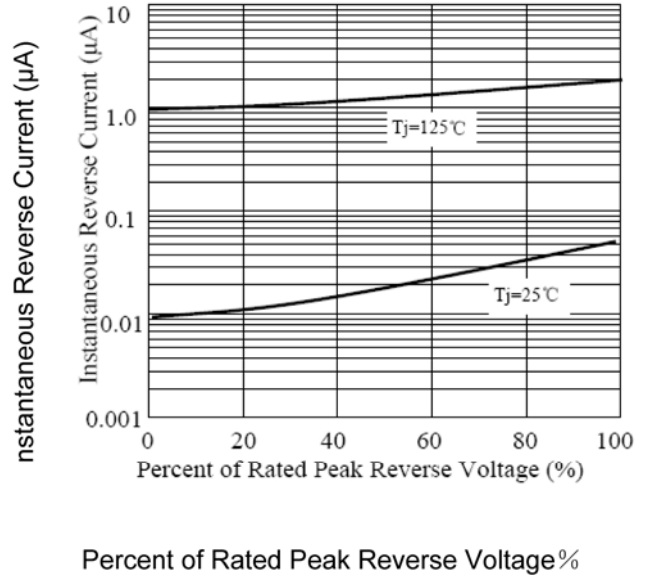


Fig.3 Forward Voltage

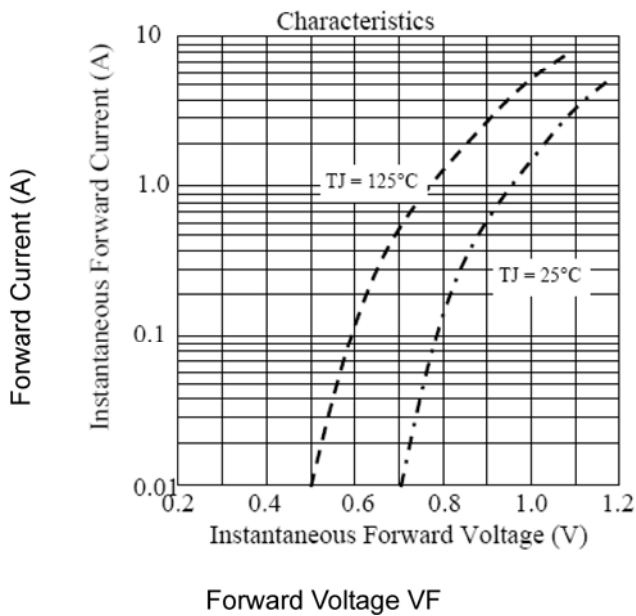


Fig.4 Peak Surge Forward Capability

