

D3CE6ST

Schottky Barrier Diodes 60V, 3A

Feature

- Ultra-small SMD
- Ultra thin PKG
- Tj=175°C
- Ultra low I_R
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): CE
Package (JEITA Code): SC-110B

Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified: Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 175	°C
Junction temperature	Tj		-55 to 175	°C
Repetitive peak reverse voltage	V _{RRM}		60	٧
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Tl=131°C	3	Α
Average forward current	I _F (AV)	50Hz, Sine wave, Resistance load, Ta=25°C ※	1.95	Α
Surge forward current	I _{FSM}	50Hz, Sine wave, Resistance load,Tj=25°C	90	Α

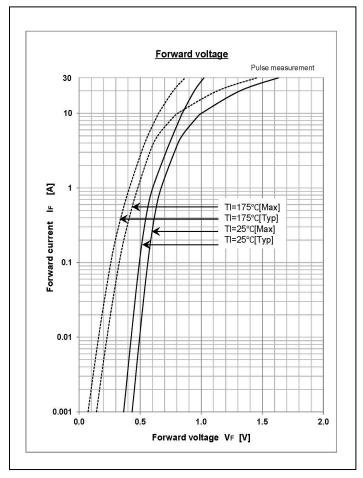
 $[\]divideontimes$: See the original Specifications

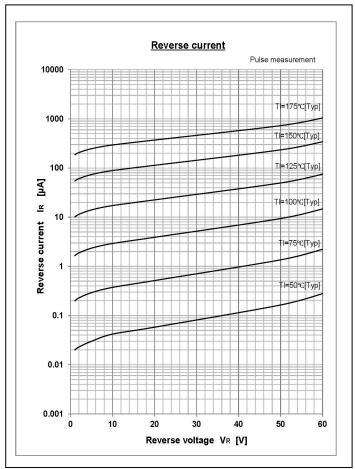
Electrical Characteristics (unless otherwise specified: Tl=25°C)

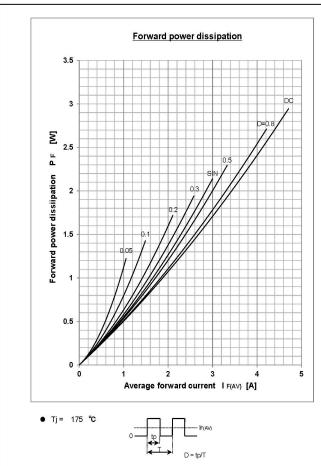
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Offic
Forward voltage	V_{F}	IF=3A, Pulse measurement			0.78	٧
Reverse current	I _R	VR=60V, Pulse measurement			0.008	mA
Total capacitance	Ct	f=1MHz, VR=10V		82		pF
Thermal resistance	Rth(j-l)	Junction to lead*			20	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient **			120	°C/W

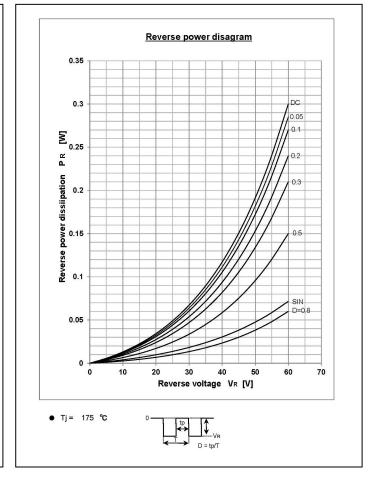
[※] ∶See the original Specifications

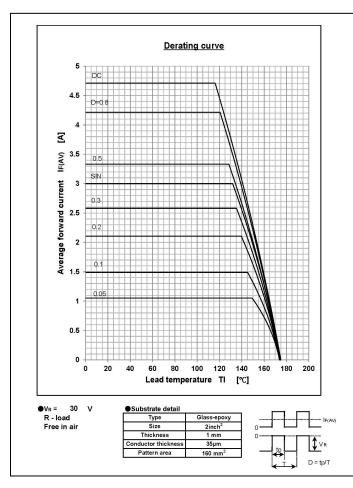
CHARACTERISTIC DIAGRAMS

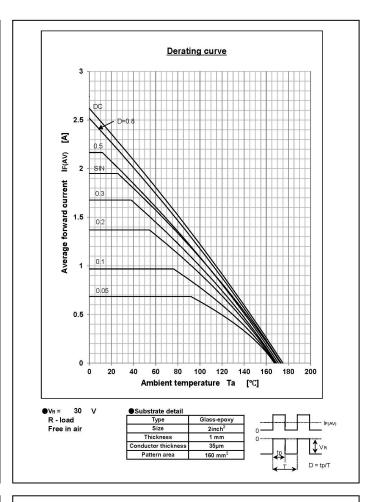


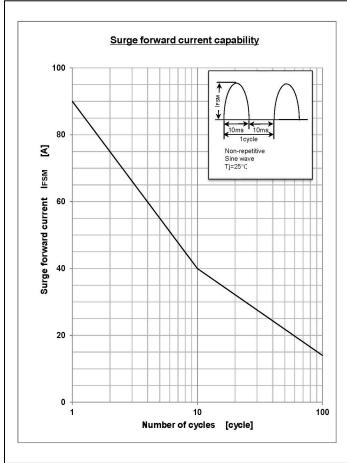


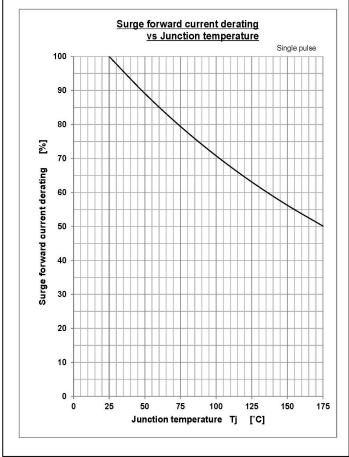


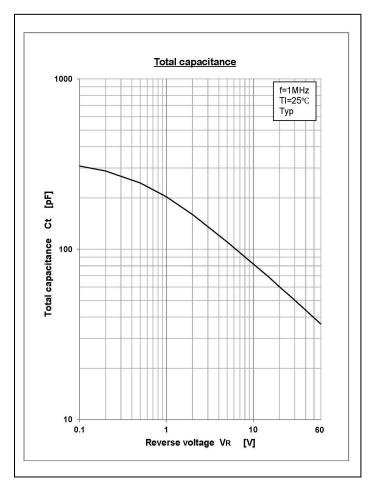


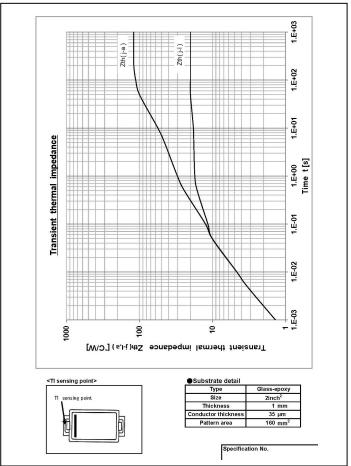










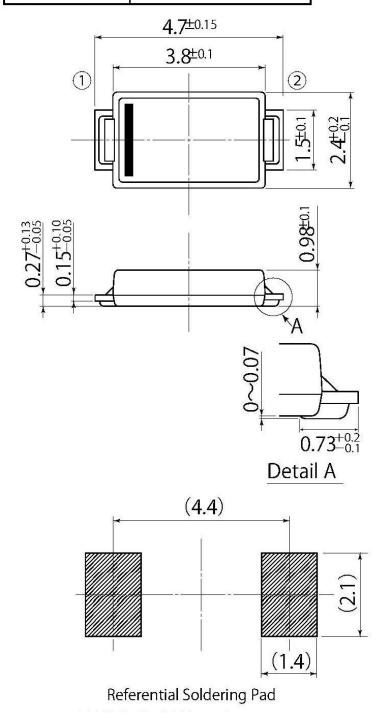


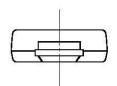
unit:mm

scale: 10/1

B5

JEDEC Code	(—)
JEITA Code	SC-110B
House Name	CE





 $[\]bullet$ Optimize soldering pad to the board design and soldering condition.

Notes

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