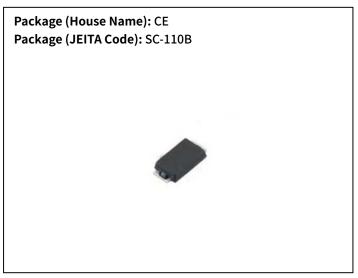
ST06-30CE TVS

15A, 600W

Feature

- Peak pulse power:600W
- Small SMD
- Based on AEC-Q101
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

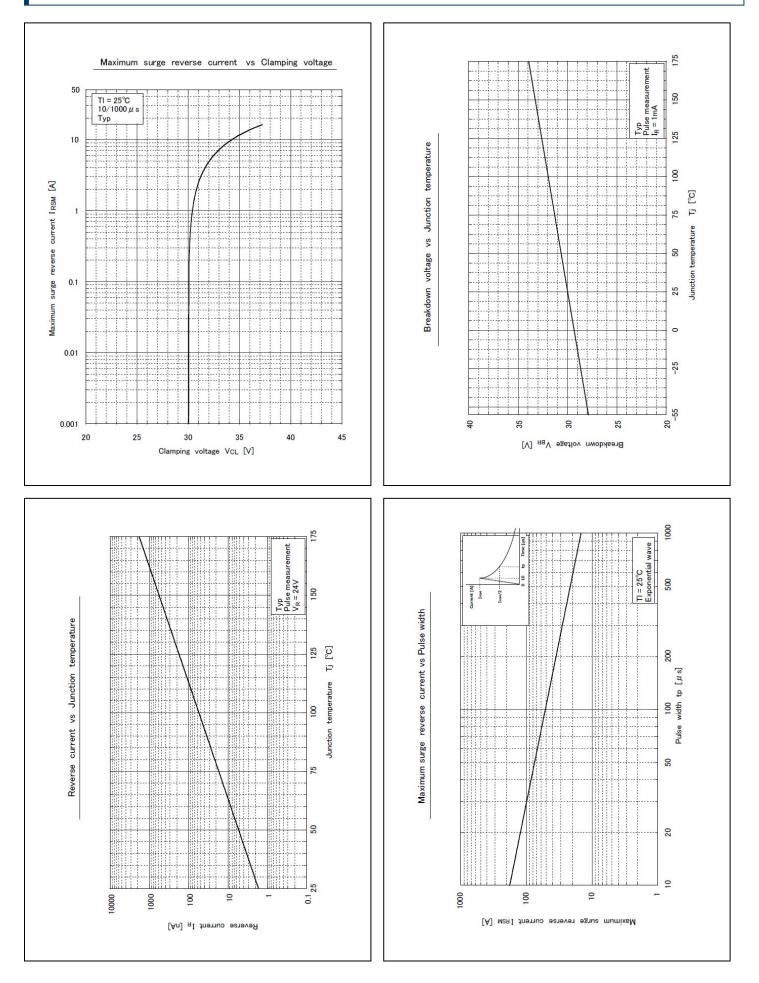
ltem	Symbol	Conditions	Ratings	Unit
Storage temperature	Tstg		-55 to 175	°C
Operating junction temperature	Tj		-55 to 175	°C
Maximum surge reverse current	I _{RSM}	10/1000μs, Non-repetitive, Exponential wave ※	15	A
Maximum surge reverse power	P _{RSM}	10/1000μs, Non-repetitive	600	W
Continuous (direct) reverse voltage	V _{R(DC)}		24	v

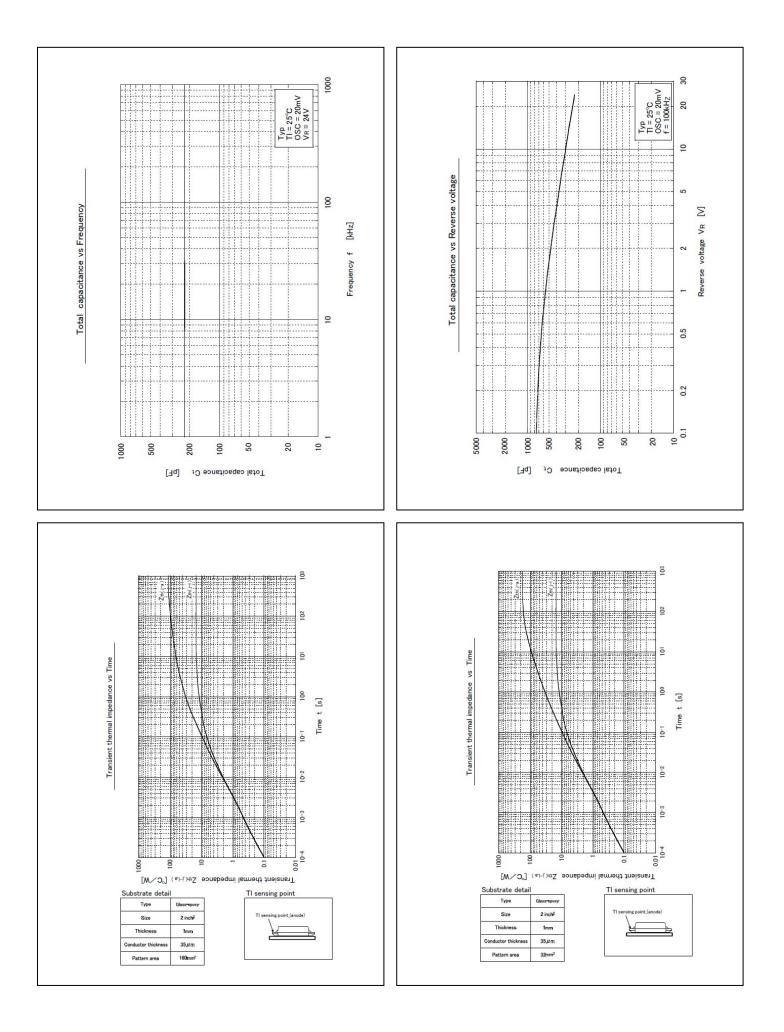
%: See the original Specifications

Electrical Characteristics (unless otherwise specified : Tl=25°C)									
Item	Symbol	Conditions	Ratings			11			
			MIN	ТҮР	MAX	Unit			
Breakdown voltage	V _{BR}	IR=1mA, Pulse measurement	28		32	V			
Reverse current	I _R	VR=24V, Pulse measurement			5	μA			
Electrostatic discharge capability	V _{ESD}	C=330pF, R=330 Ω , Polarity \pm , Aerial discharge \otimes		30		kV			
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate			15	°C/W			
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate ※			115	°C/W			
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate ※			172	°C/W			

* : See the original Specifications

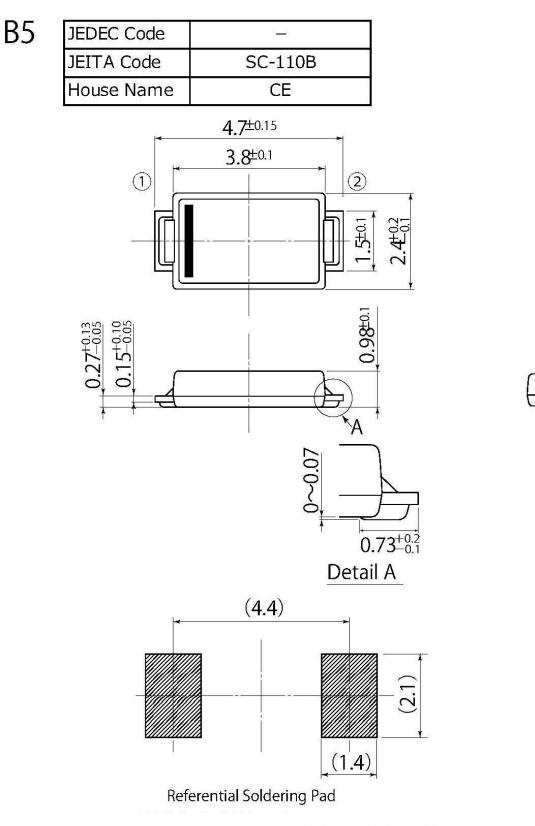
CHARACTERISTIC DIAGRAMS





unit:mm

scale: 10/1



• Optimize soldering pad to the board design and soldering condition.

Notes

- 1. If you wish to use any such product, please be sure to refer to the specifications issued by Shindengen.
- 2. All products described or contained herein are designed with a quality level intended for use in standard applications requiring an ordinary level of reliability. If these products are to be used in equipment or devices for special or specific applications requiring an extremely high grade of quality or reliability in which failures or malfunctions of products may directly affect human life or health, a local Shindengen office must be contacted in advance to confirm that the intended use of the product is appropriate. Shindengen products are grouped into the following three applications according the quality grade.

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[Special applications]

Transportation equipment (vehicles, ships, etc.), trunk-line communication equipment, traffic signal control systems, antidisaster/crime systems, safety equipment, medical equipment, etc.

[Specific applications]

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