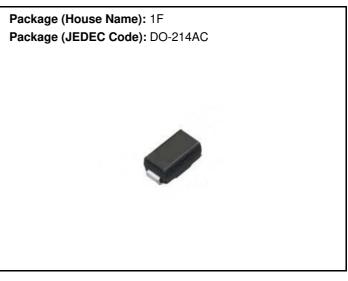
K1VZL09 SIDACs / Bi-directional (K1V Series) 5V, 5μA

Feature

- · Bi-directional type
- Wide-ranging pulse generation
- · Direct switching with commercial power
- ${\boldsymbol{\cdot}}$ A reliable product with a track record, developed for many
- applications
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit

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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 125	°C
Junction temperature	Tj		125	°C
Repetitive peak off-state voltage	V _{DRM}		5	V
On-state current (r.m.s.)	I _T (RMS)	TI=110°C, 50Hz sine wave, θ =180°	0.5	А

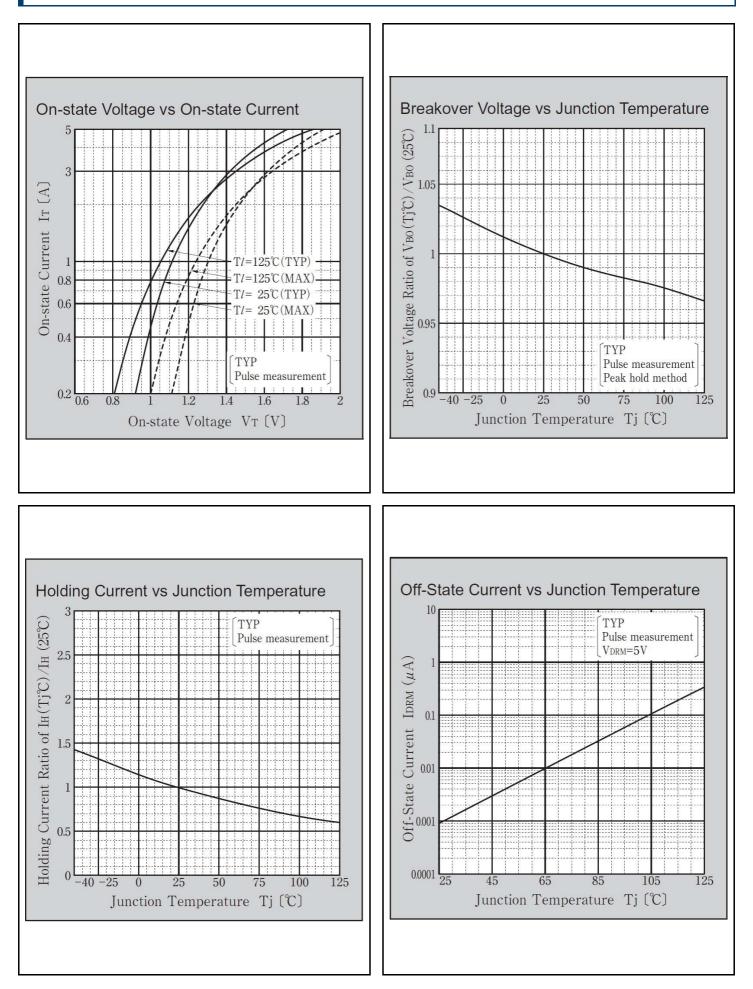
* : See the original Specifications

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

Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	onit
Breakover voltage	V _{BO}	dv/dt=8V/ms, Pulse measurement	8		12	V
Off-state current	I _{DRM}	VD=5V			5	μA
Breakover current	I _{BO}				20	mA
Holding current	Ι _Η				20	mA
On-state voltage	V _T	IT=0.5A			1.2	V
Thermal Resistance	Rth(j-l)	Junction to lead			23	°C/W

* : See the original Specifications

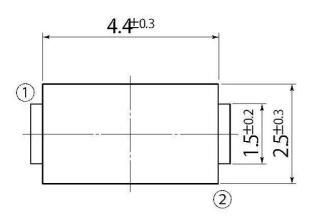
CHARACTERISTIC DIAGRAMS

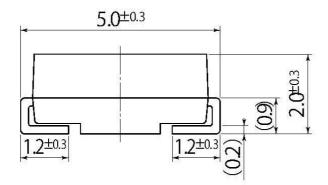


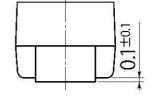
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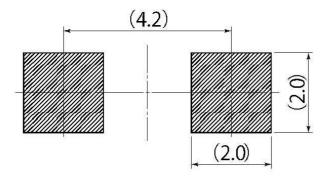
scale: 10/1

B4	JEDEC Code	DO-214AC		
	JEITA Code	-		
	House Name	1F		









Referential Soldering Pad

 ${\boldsymbol{\cdot}}$ 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.

[Standard applications]

Computers, office automation and other office equipment, communication terminals, test and measurement equipment, audio/visual equipment, amusement equipment, consumer electronics, machine tools, personal electronic equipment, industrial equipment, etc.

[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]

Nuclear reactor control systems, aircraft, aerospace equipment, submarine repeaters, life support equipment and systems, etc.

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