ShinDengen

KU10S31NS

Thyristor Surge Suppressors
275V, 100A

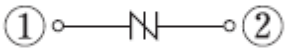
Feature

- Bi-directional characteristic
- High-speed response characteristic
- Large surge current capacity
- Capable of repeated use for surges
- UL497B File No.E183905
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): M2F
Package (JEDEC Code): DO-214AA similar

Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 125	°C
Junction temperature	Tj		125	°C
Repetitive peak reverse voltage	V_{DRM}		275	V
Peak surge on-state current	I_{TSM}	10/1000µs, Non-repetitive	100	A

※ ：See the original Specifications

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

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Clamping voltage	V_{CL}	dV/dt=100V/µs			420	V
Off-state current	I_{DSM}	VD=275V			5	µA
Holding current	I_H	Pulse measurement	100			mA
On-State Voltage	V_T	IT=2.0A			5	V
Junction capacitance	Cj	f=100kHz, VD=50V, OSC=1Vrms			90	pF

※ ：See the original Specifications

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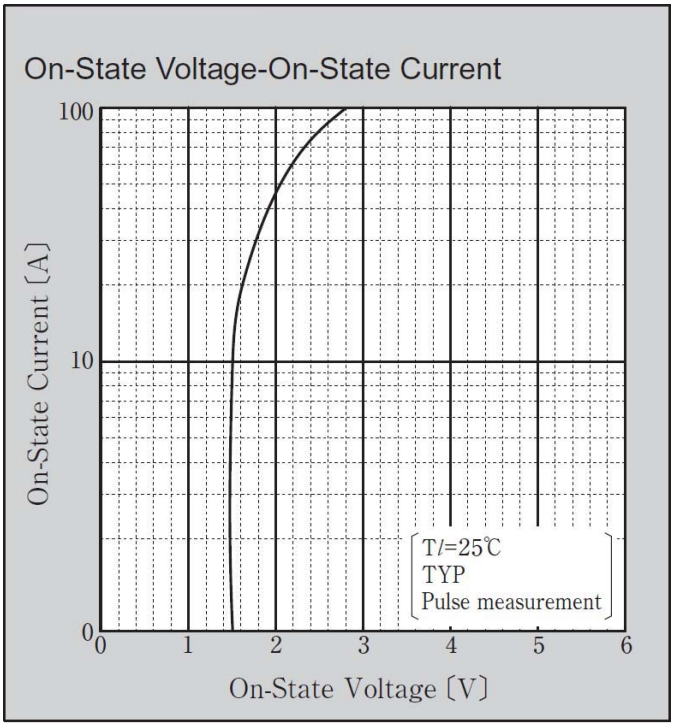
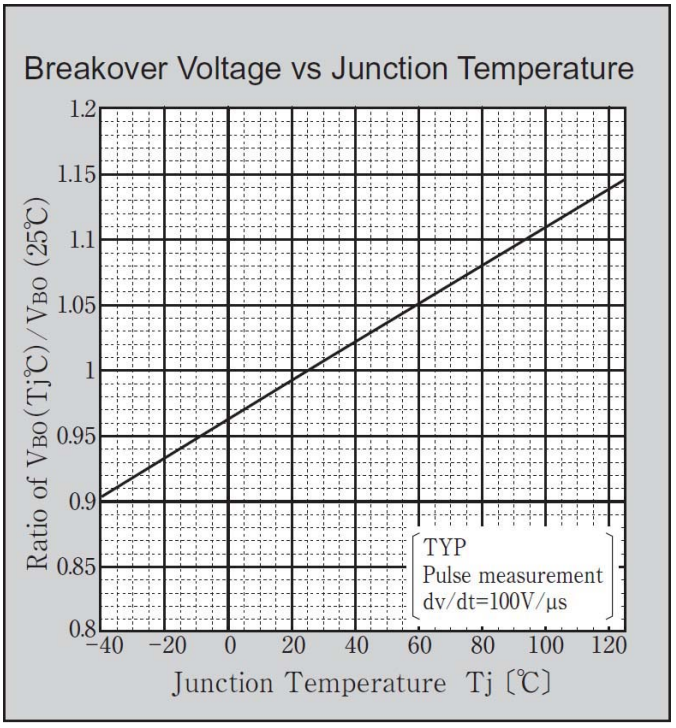
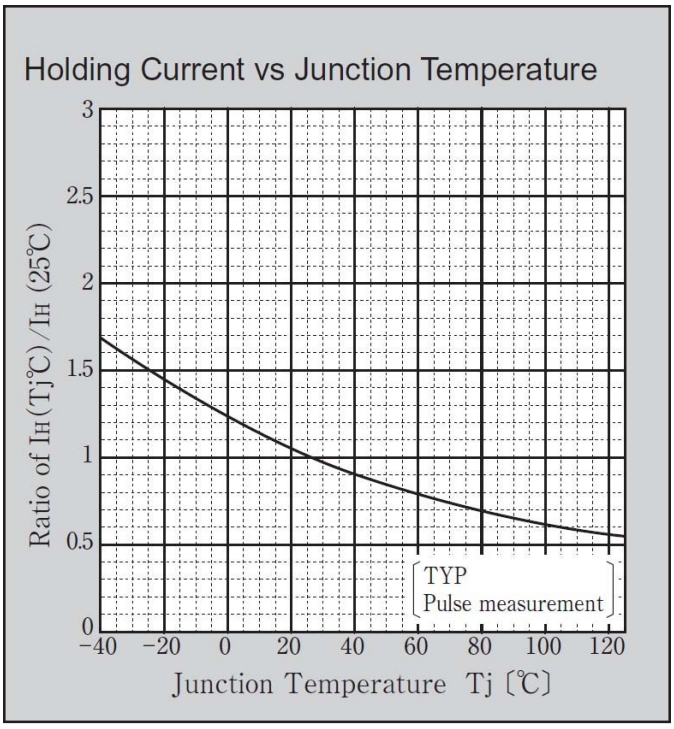
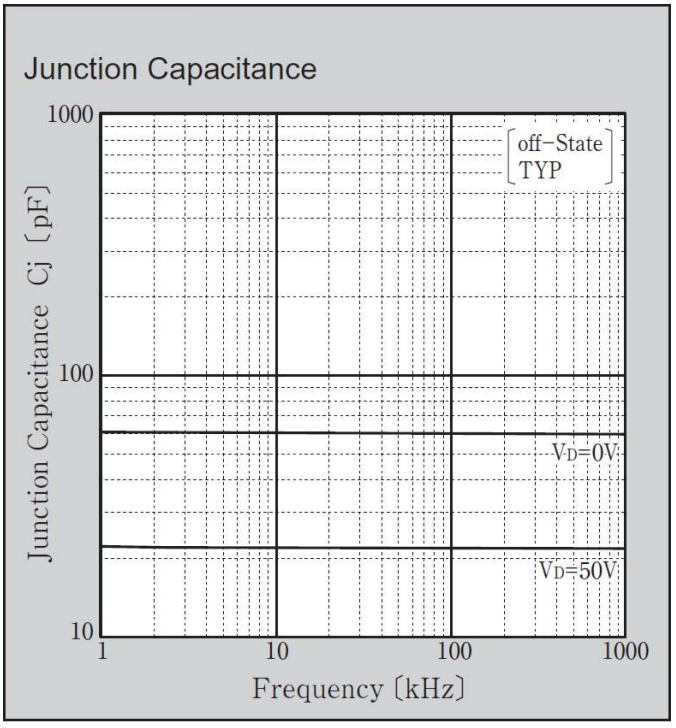
CHARACTERISTIC DIAGRAMS









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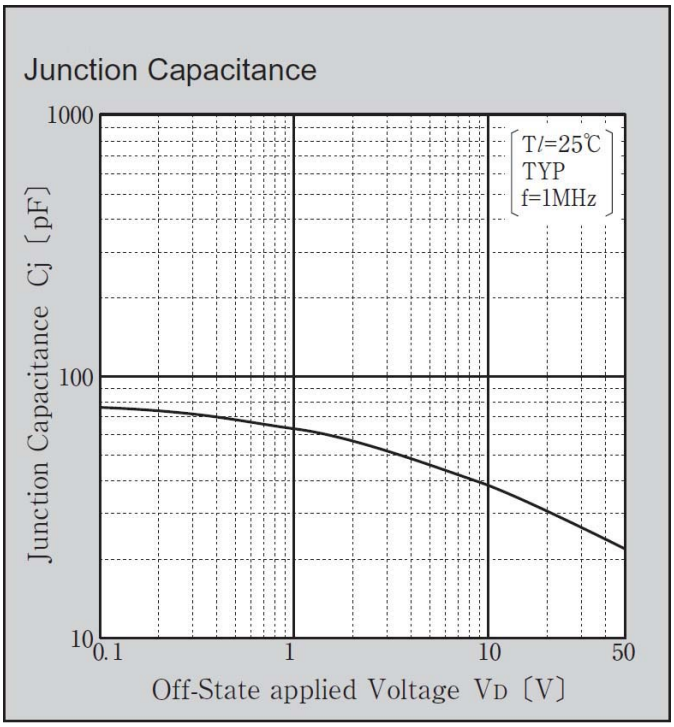

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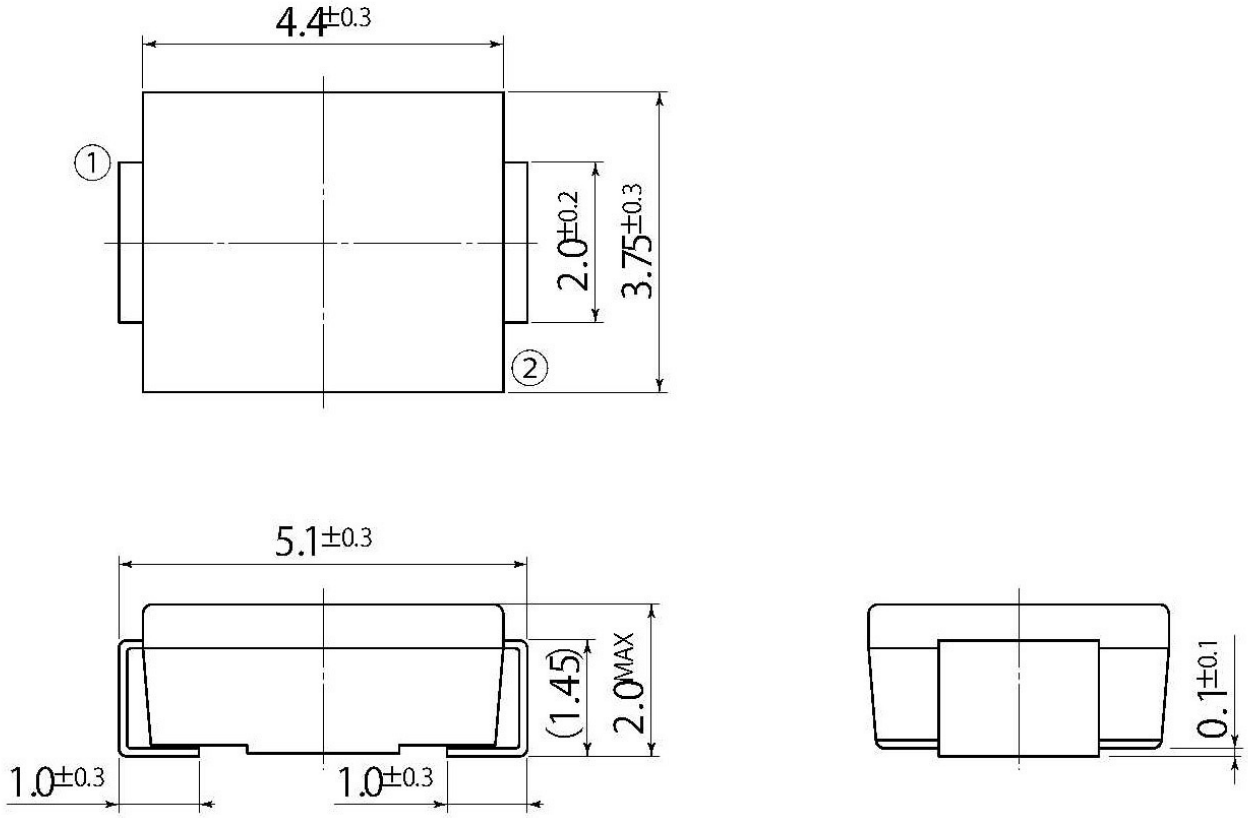
Outline Dimensions

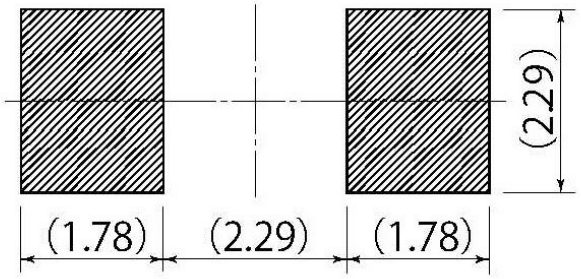
unit:mm

scale: 10/1

B7

JEDEC Code	DO-214AA similar
JEITA Code	–
House Name	M2F





Referential Soldering Pad

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

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Notes

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