

KU10R27NS

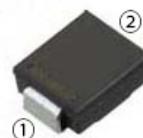
Thyristor Surge Suppressors
220V, 100A

Feature

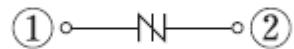
- Bi-directional characteristic
- High-speed response characteristic
- Large surge current capacity
- Capable of repeated use for surges
- UL497B File No.E183905
- Pb free terminal
- RoHS:Yes

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 temperature	T _{STG}		-40 to 125		°C
Junction temperature	T _J		125		°C
Repetitive peak reverse voltage	V _{DRM}		220		V
Peak surge on-state current	I _{TSM}	10/1000μs, Non-repetitive	100		A

※ :See the original Specifications

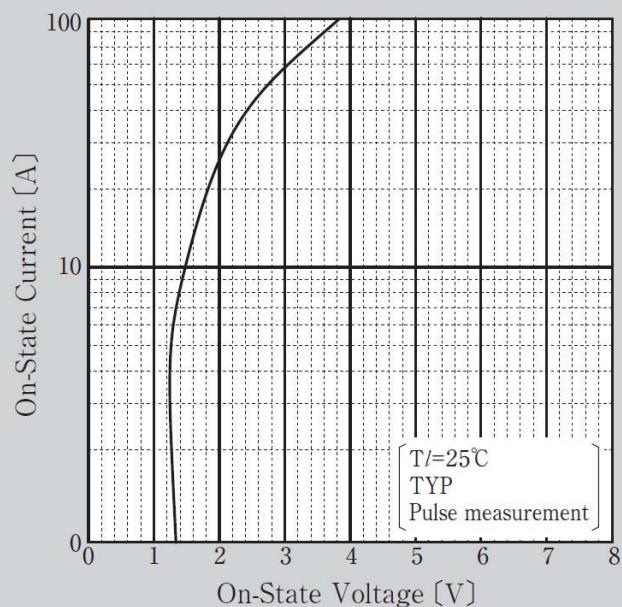
Electrical Characteristics (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Clamping voltage	V _{CL}	dV/dt=100V/μs			320	V
Off-state current	I _{DSM}	VD=220V			5	μA
Holding current	I _H	Pulse measurement	100			mA
On-State Voltage	V _T	IT=2A			5	V
Junction capacitance	C _J	f=100kHz, VD=50V, OSC=1Vrms			70	pF

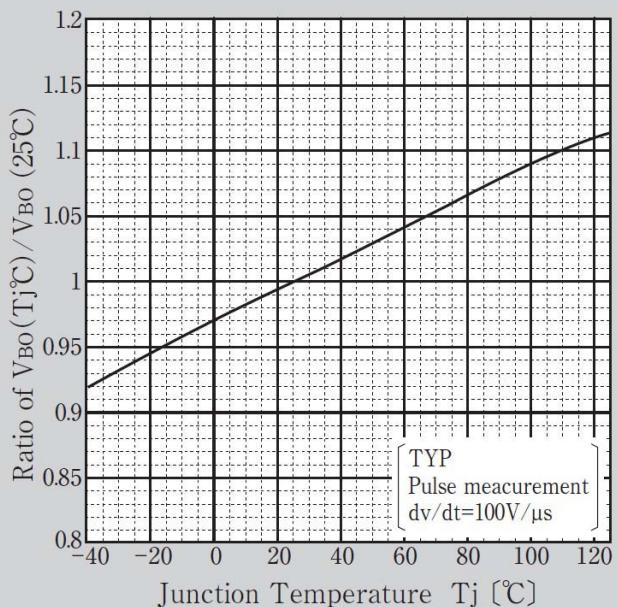
※ :See the original Specifications

CHARACTERISTIC DIAGRAMS

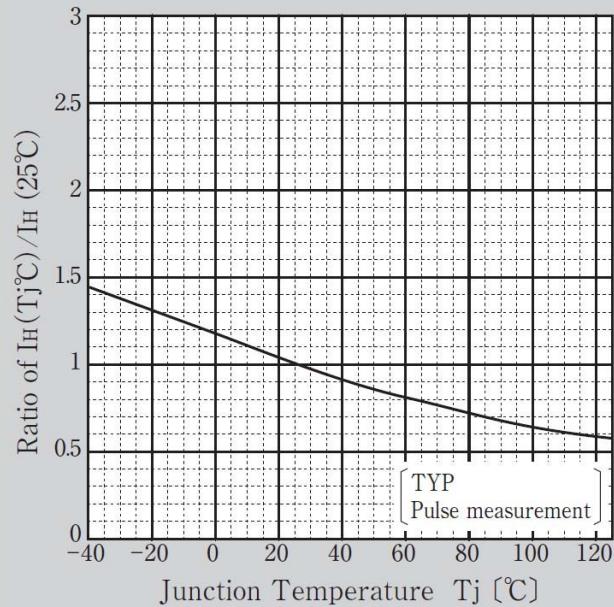
On-State Voltage-On-State Current



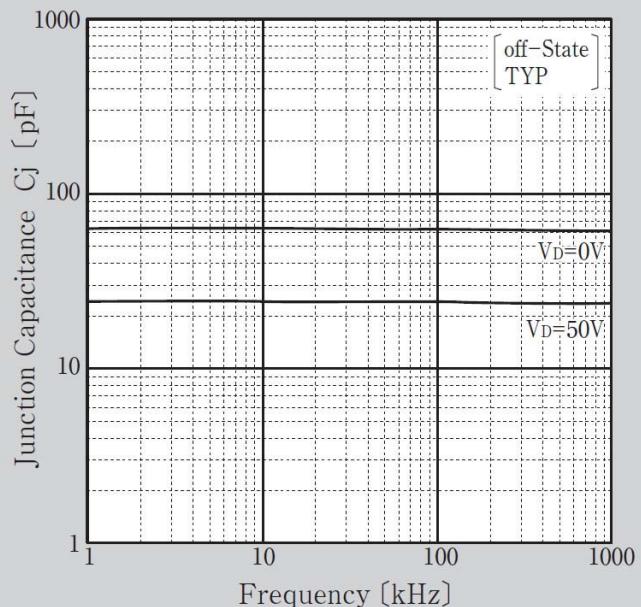
Breakover Voltage vs Junction Temperature

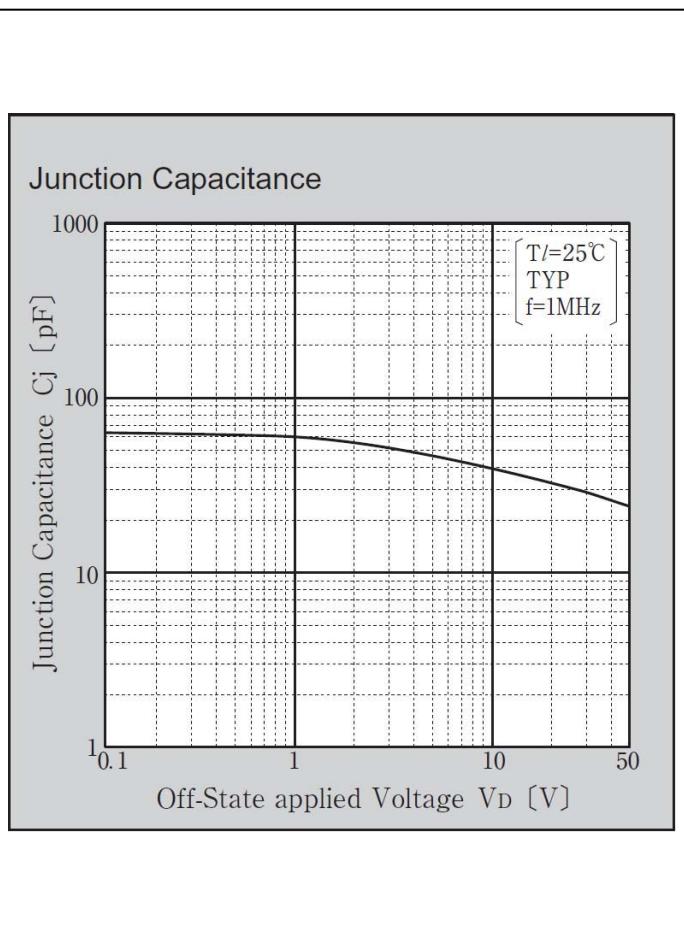


Holding Current vs Junction Temperature



Junction Capacitance





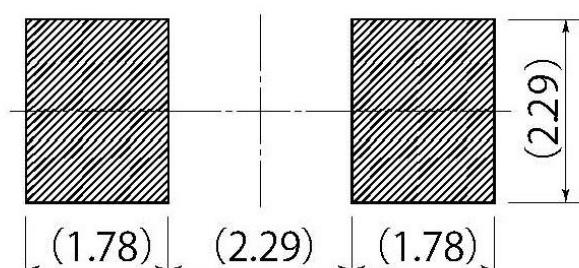
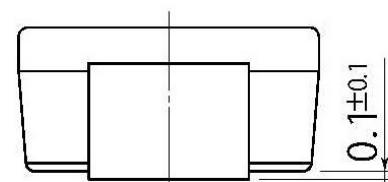
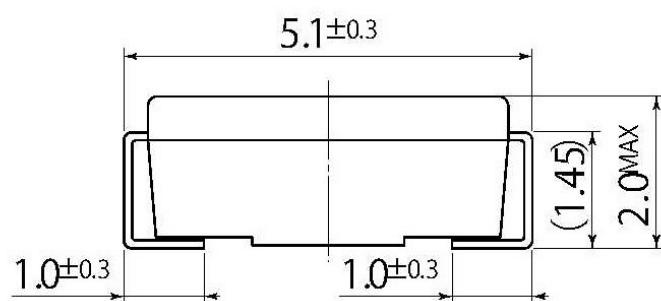
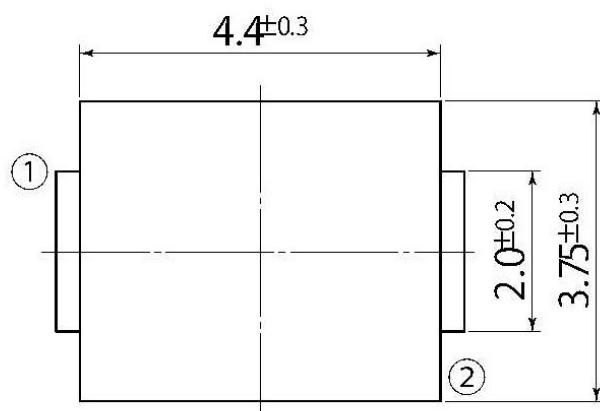
Outline Dimensions

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.

Notes

1. If you wish to use any such product, please be sure to refer to the specifications issued by Shindengen.
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【Special applications】

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

【Specific applications】

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