KU10NU11

Thyristor Surge Suppressors
60V, 100A

Feature

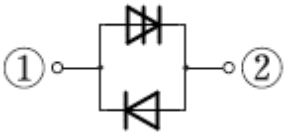
- Uni-Directional
- High-speed response characteristic
- Large surge current capacity
- Capable of repeated use for surges
- Pb free terminal
- RoHS:Yes

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	℃
Junction temperature	Tj		125	℃
Non-repetitive peak reverse voltage	V_{DSM}		90	V
Repetitive peak reverse voltage	V_{DRM}		60	V
Peak surge on-state current	I_{TSM}	10/1000μs, Non-repetitive	100	A
Peak surge forward current	I_{FSM}	10/1000μs, Non-repetitive	100	A

※ ：See the original Specifications

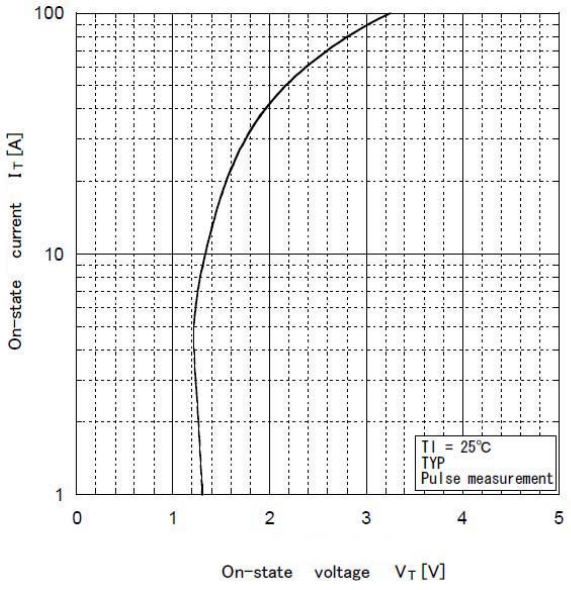
Electrical Characteristics (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Breakover voltage	V_{BO}	dV/dt=8V/ms	100		115	V
Clamping voltage	V_{CL}	dV/dt=100V/μs			125	V
Off-state current	I_{DSM}	VD=90V, Pulse measurement			5	μA
Holding current	I_H	Pulse measurement	150			mA
On-State Voltage	V_T	IT=2A			3	V

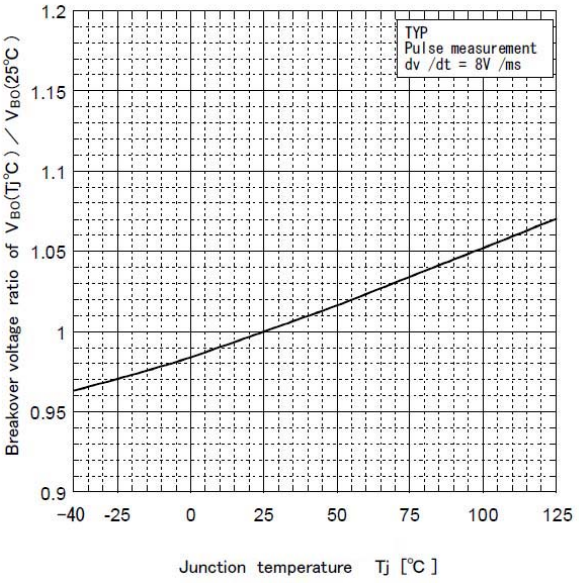
※ ：See the original Specifications

CHARACTERISTIC DIAGRAMS

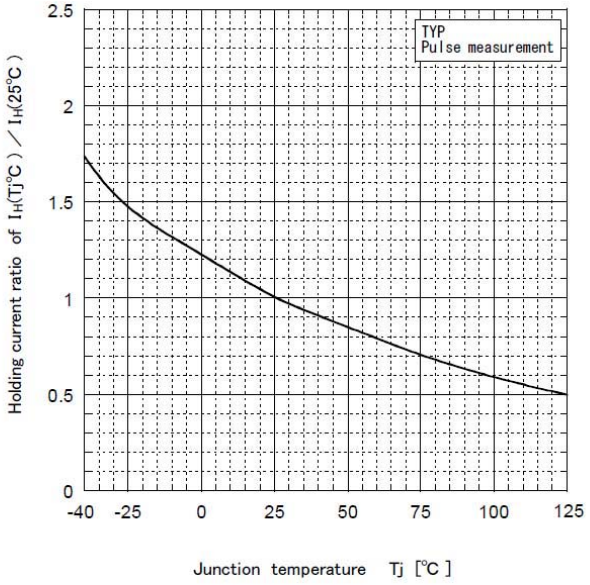
On-state voltage vs On-state current



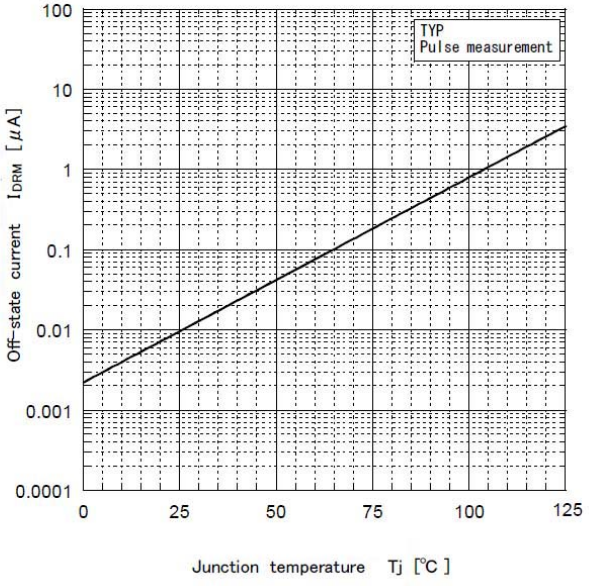
Breakover voltage vs Junction temperature



Holding Current vs Junction Temperature



Off-state current vs Junction temperature

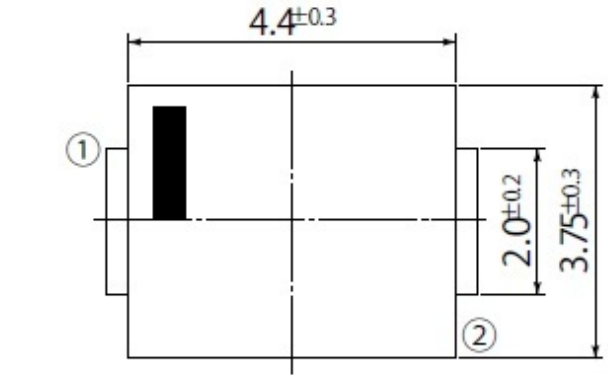


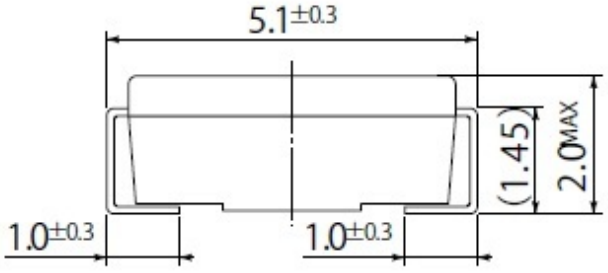
Outline Dimensions

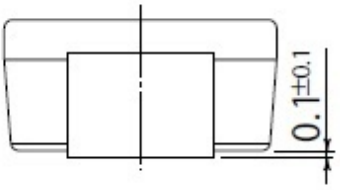
unit:mm

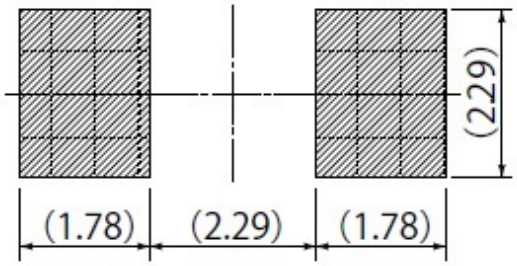
B8

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

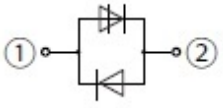








Referential Soldering Pad



・Optimize soldering pad to the board design and soldering condi tion.

・The content specified herein is subject to change for improveme nt without notice.
・If you wish to use any such products, please be sure to refer to the specifications.

U182-1(2026.09)

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