

KU10NU13

Thyristor Surge Suppressors 60V, **100A**

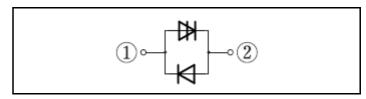
Feature

- 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 : TI=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 125	°C
Junction temperature	Tj		-40 to 125	°C
Non-repetitive peak reverse voltage	V_{DSM}		115	V
Repetitive peak reverse voltage	V_{DRM}		60	V
Peak surge on-state current	I _{TSM}	10/1000μs, Non-repetitive, Tj=25°C	100	А
Peak surge forward current	I _{FSM}	10/1000μs, Non-repetitive, Tj=25°C	100	Α

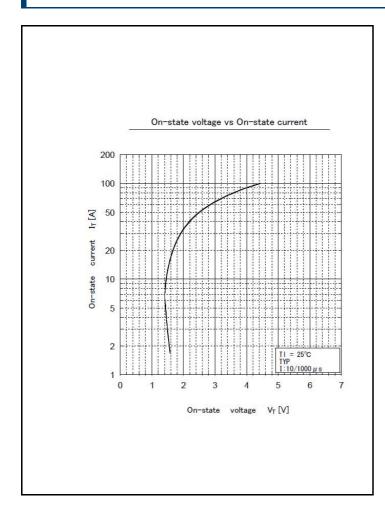
^{* :} See the original Specifications

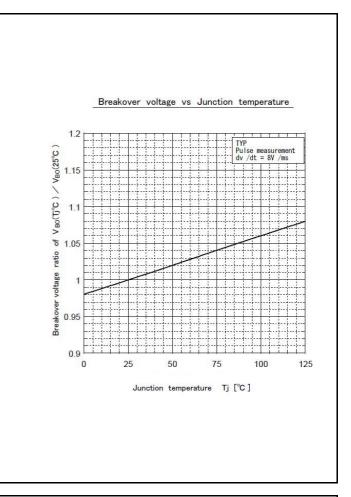
Electrical Characteristics (unless otherwise specified : TI=25°C)

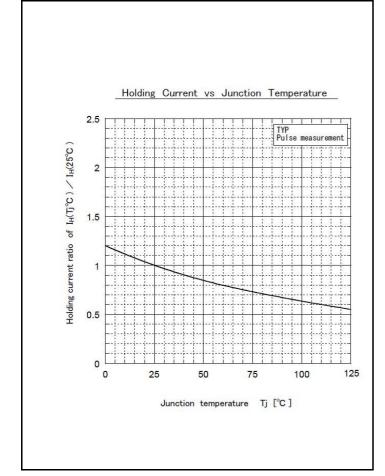
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Breakover voltage	V _{BO}	dV/dt=8V/ms	120		135	V
Clamping voltage	V _{CL}	dV/dt=100V/μs			145	V
Off-state current	I _{DSM}	VD=115V, Pulse measurement			5	μΑ
Holding current	l _Η	Pulse measurement	100			mA
On-State Voltage	V _T	IT=2A			3	V

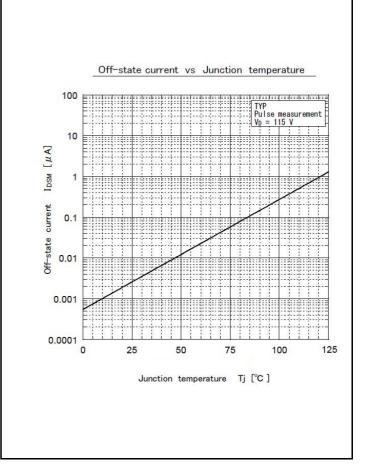
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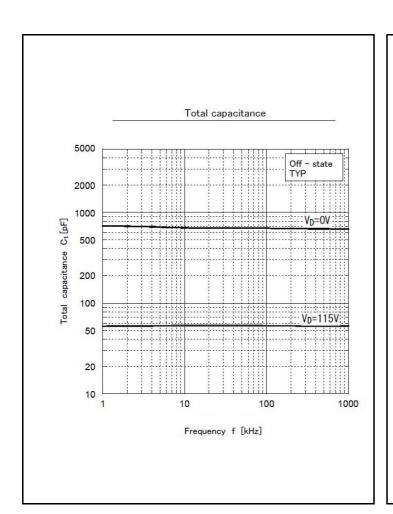
CHARACTERISTIC DIAGRAMS

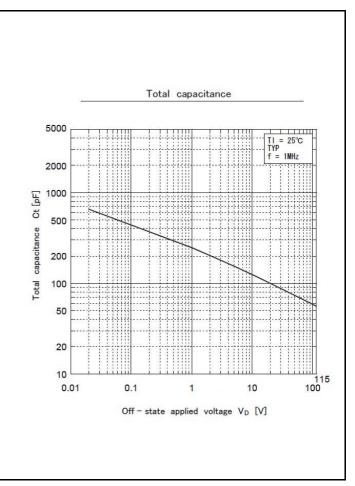










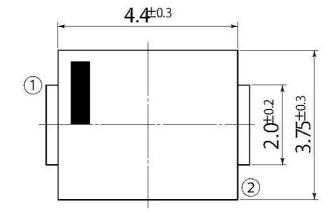


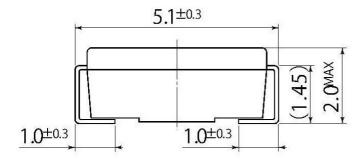
unit:mm

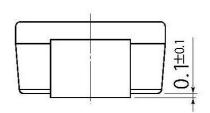
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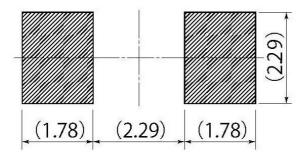


JEDEC Code	DO-214AA similar		
JEITA Code	-		
House Name	M2F		









Referential Soldering Pad

 $\boldsymbol{\cdot}$ Optimize soldering pad to the board design and soldering condition.

Notes

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(Specific applications)

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