

KU5S31NS

Thyristor Surge Suppressors 275V, **50A**

Feature

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

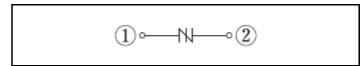
OUTLINE

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	°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	50	Α

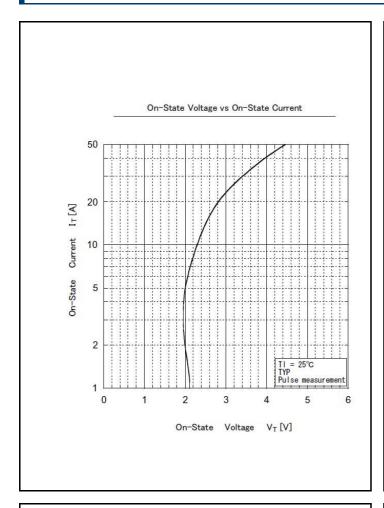
^{* :}See the original Specifications

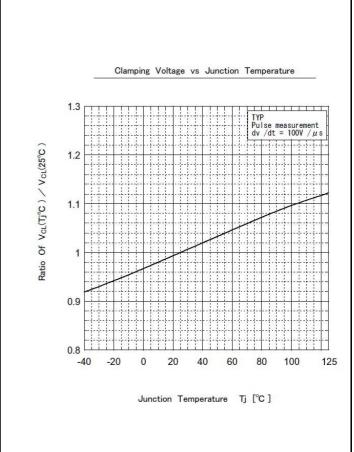
Electrical Characteristics (unless otherwise specified : TI=25°C)

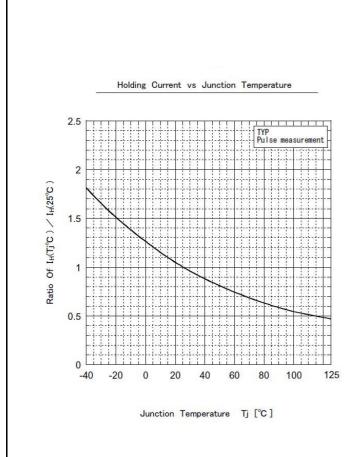
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Oint
Clamping voltage	V _{CL}	dV/dt=100V/μs			420	V
Off-state current	I _{DSM}	VD=275V			5	μΑ
Holding current	l _Η	Pulse measurement	150			mA
On-State Voltage	V _T	IT=2A			3	V
Junction capacitance	Cj	f=1MHz, VD=50V, OSC=1Vrms			70	pF

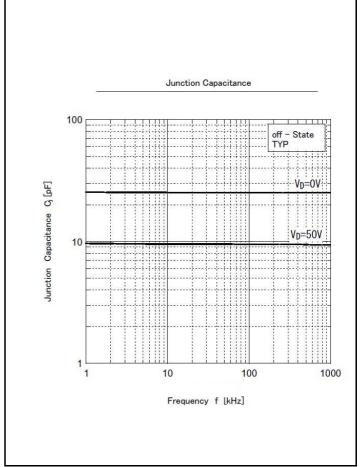
^{* :}See the original Specifications

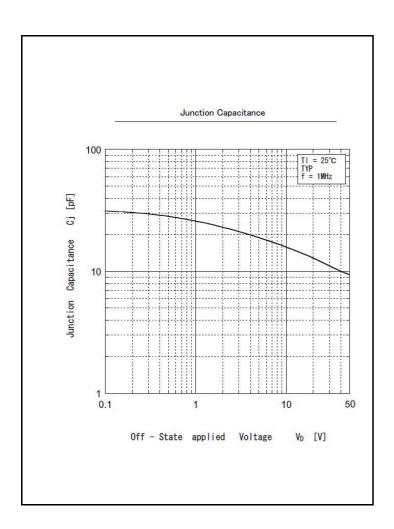
CHARACTERISTIC DIAGRAMS







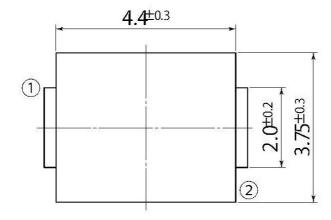


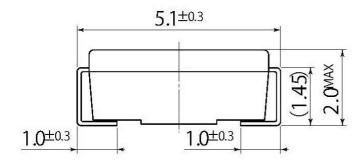


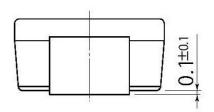
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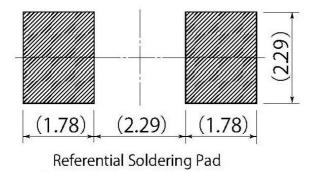
B7

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









[•] Optimize soldering pad to the board design and soldering condition.

Notes

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[Special applications]

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(Specific applications)

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