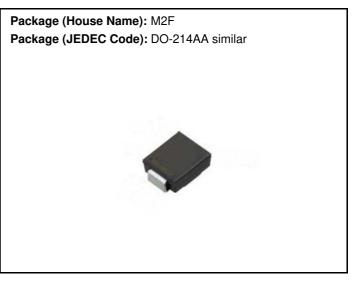
KU15N14 Thyristor Surge Suppressors 120V, 150A

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



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		125	°C
Repetitive peak reverse voltage	V _{DRM}		120	V
Peak surge on-state current	I _{TSM}	10/1000µs, Non-repetitive	150	А

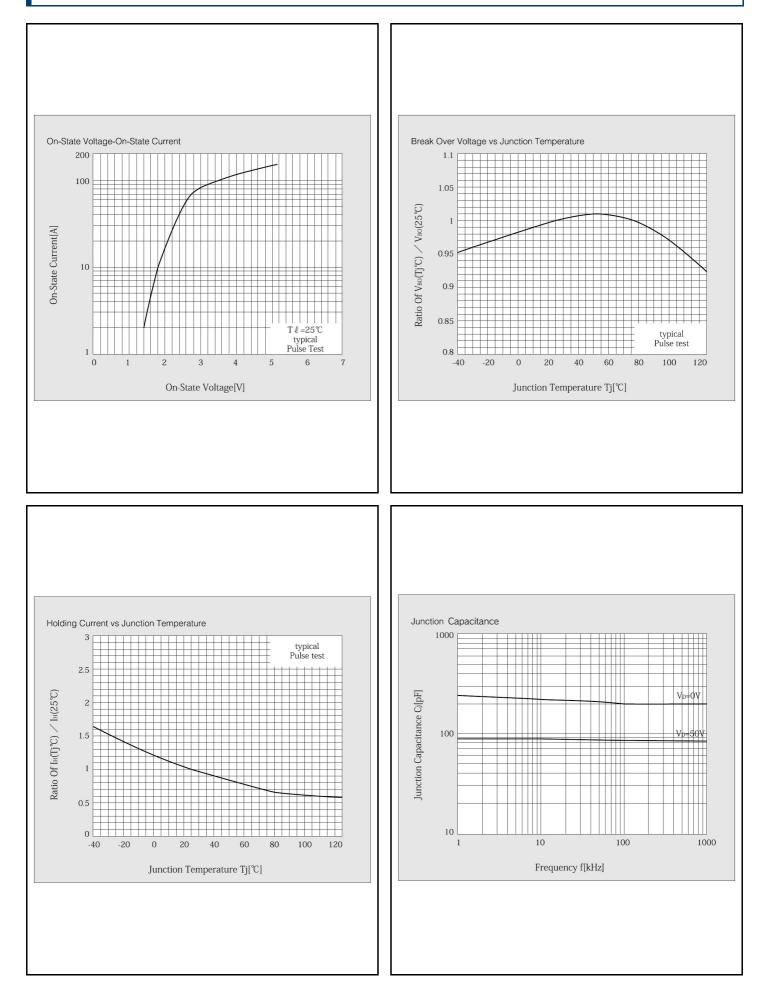
* : See the original Specifications

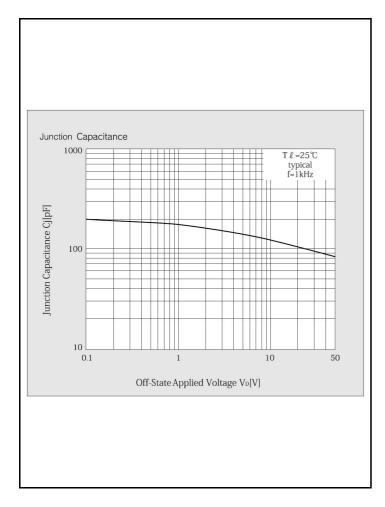
Electrical Characteristics (unless otherwise specified : TI=25°C)

ltem	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	Onit
Breakover voltage	V _{BO}	dV/dt=8V/ms, Peak hold	125			V
Clamping voltage	V _{CL}	dV/dt=100V/µs			195	V
Off-state current	I _{DSM}	VD=120V			5	μA
Holding current	Ι _Η	Pulse measurement	100			mA
On-State Voltage	V _T	IT=2A			3	V
Junction capacitance	Cj	f=1kHz, VD=50V			110	pF

* : See the original Specifications

CHARACTERISTIC DIAGRAMS

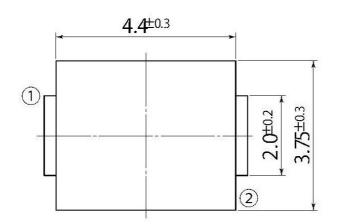


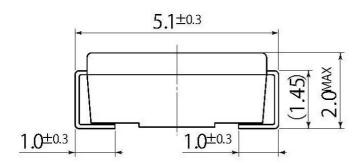


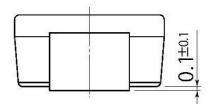
unit:mm

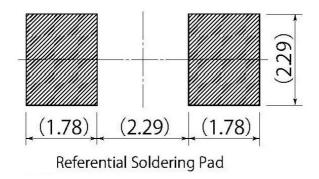
scale: 10/1

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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Computers, office automation and other office equipment, communication terminals, test and measurement equipment, audio/visual equipment, amusement equipment, consumer electronics, machine tools, personal electronic equipment, industrial equipment, etc.

[Special applications]

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

[Specific applications]

Nuclear reactor control systems, aircraft, aerospace equipment, submarine repeaters, life support equipment and systems, etc.

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