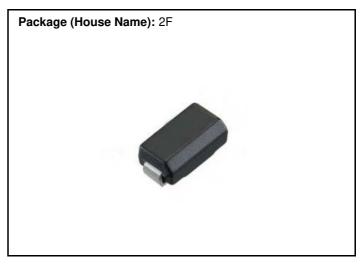
KP40RU22 Thyristor Surge Suppressors 60V, 500A(@10/700µs)

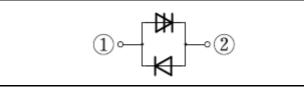
Feature

- Uni-Directional
- High-speed response characteristic
- Large surge current capacity
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : TI=25°C)

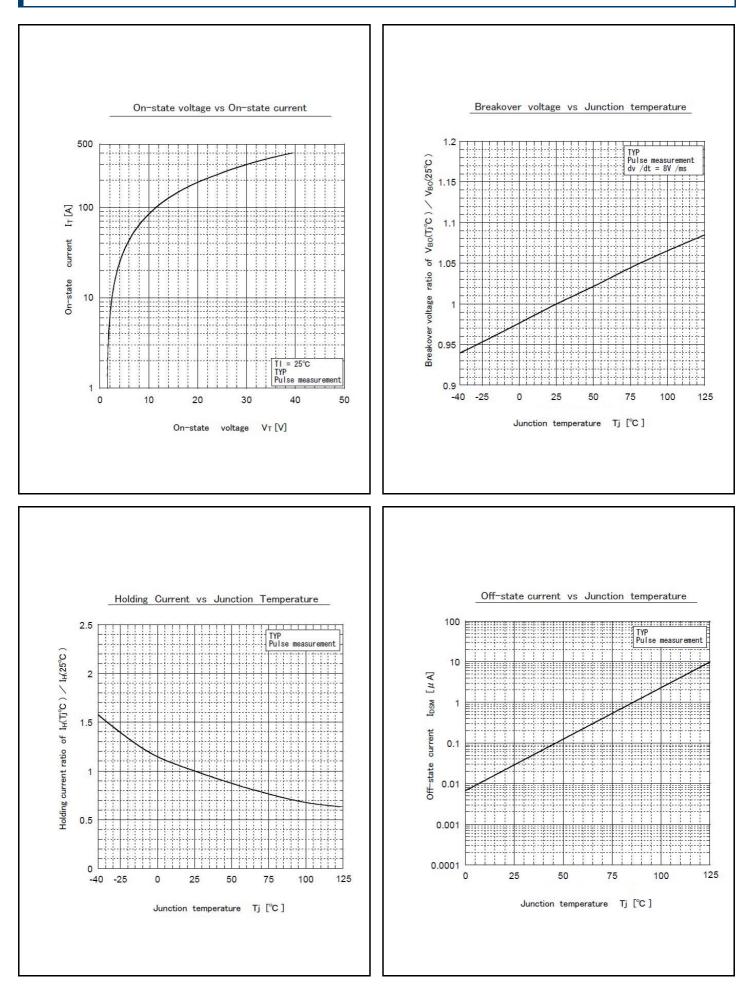
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 125	°C
Junction temperature	Tj		125	°C
Non-repetitive peak reverse voltage	V _{DSM}		180	V
Repetitive peak reverse voltage	V _{DRM}		60	V
Peak surge on-state current	I _{TSM}	V=10/700 μ s 20kV, Non-Repetitive, R=15+25 Ω	500	А
Peak surge forward current	I _{FSM}	V=10/700 μ s 20kV, Non-Repetitive, R=15+25 Ω	500	А

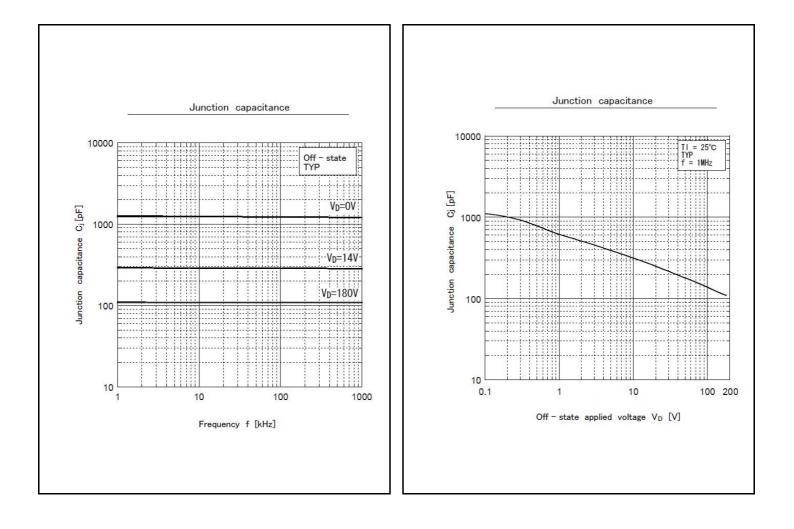
* : See the original Specifications

Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	Onit
Breakover voltage	V _{BO}	dV/dt=8V/ms	195		225	V
Clamping voltage	V _{CL}	dV/dt=100V/µs			250	V
Off-state current	I _{DSM}	VD=180V			5	μA
Holding current	Ι _Η	Pulse measurement	100			mA
On-State Voltage	V _T	IT=2A			5	V
Junction capacitance	Cj	f=160kHz, VD=14V, OSC=20mV		285		pF

* : See the original Specifications

CHARACTERISTIC DIAGRAMS



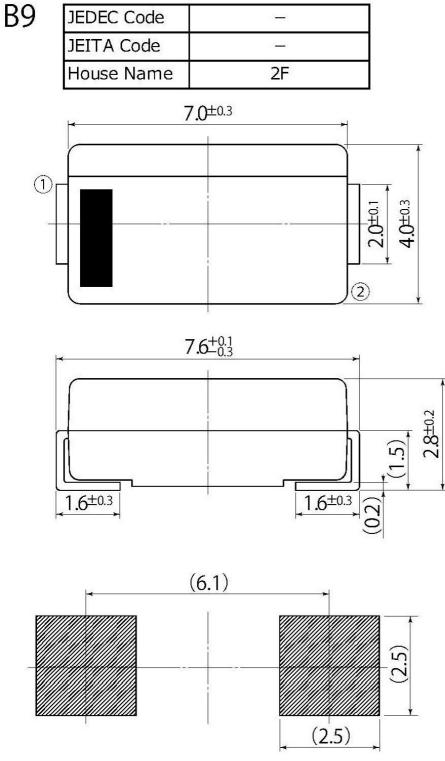


unit:mm

scale: 10/1

C 0.8

0.1±0.1



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, antidisaster/crime systems, safety equipment, medical equipment, etc.

[Specific applications]

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