# SF10L60MVM

Fast Recovery Diodes 600V, 10A

# Feature

- Full Molded
- High Voltage
- Low Noise
- Dielectric Strength 2kV
- Pb free terminal
- RoHS:Yes

## OUTLINE



# **Equivalent circuit**

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

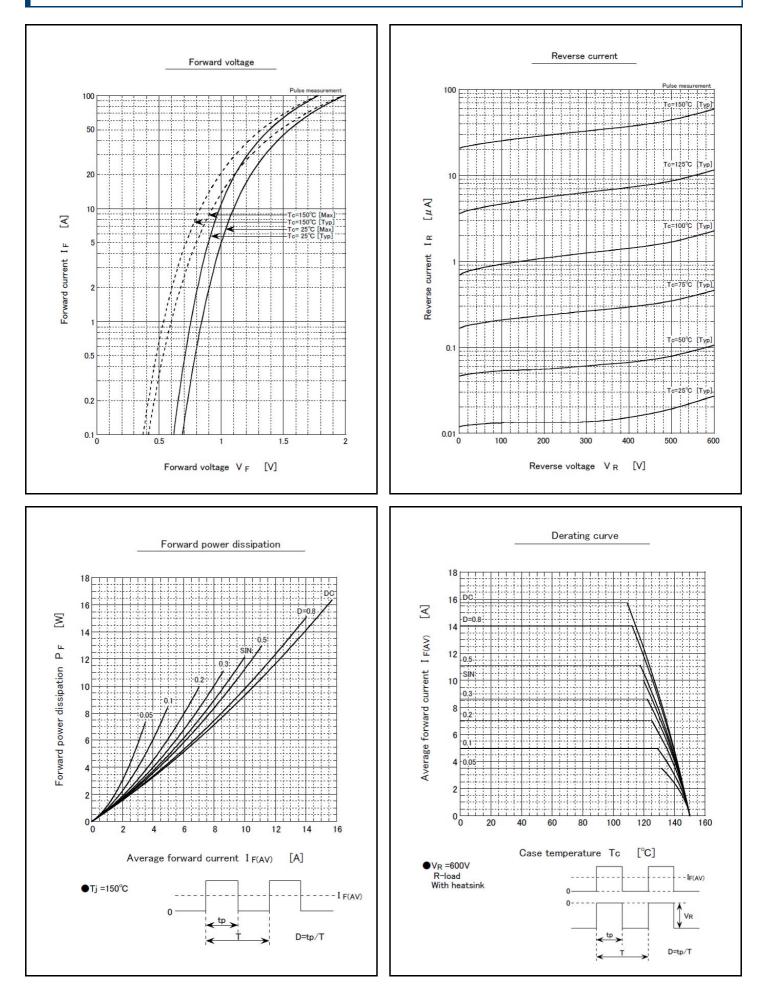
ltem	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V <sub>RRM</sub>		600	V
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, Tc=119°C	10	A
Surge forward current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	200	A
Surge forward current	I <sub>FSM1</sub>	tp=1ms, Sine wave, Non-repetitive, Peak value, Tj=25°C	360	A
Dielectric strength	Vdis	Terminals to case, backside, AC 1 minute, Cut-off current 0.5mA	2	kV
Mounting torque	TOR	(Recommended torque: 0.3N·m)	0.5	N∙m

\* : See the original Specifications

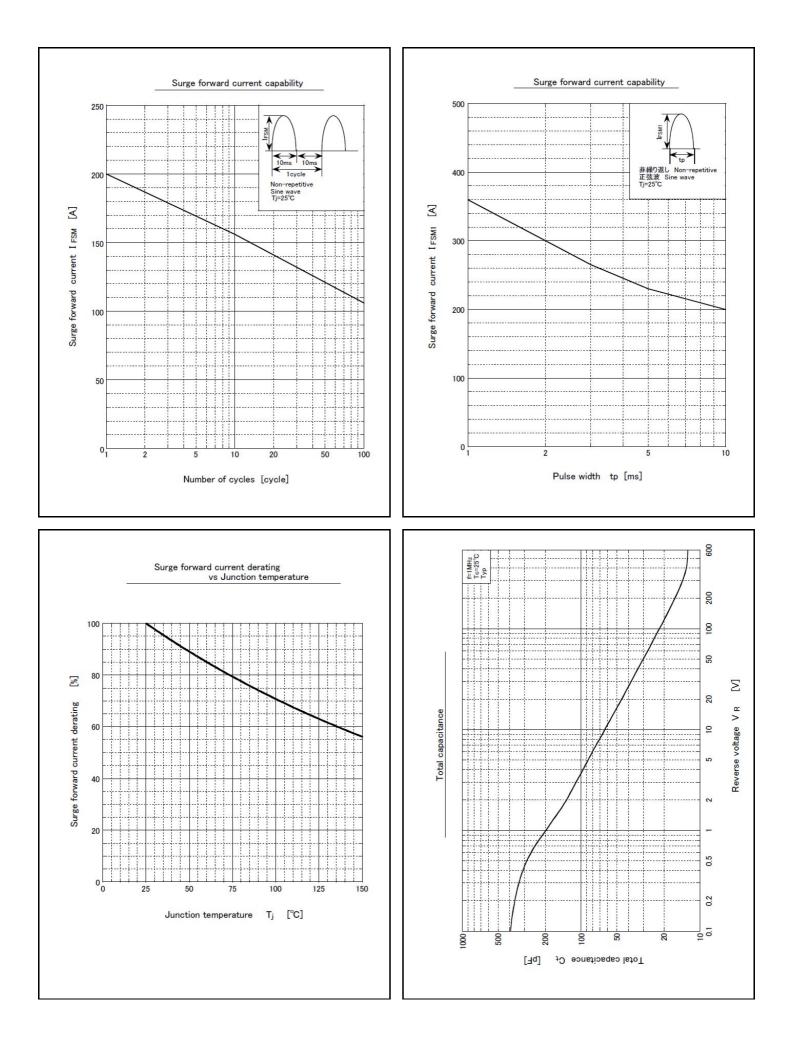
ltem	Symbol	Conditions		Ratings		
	Symbol		MIN	ТҮР	MAX	Unit
Forward voltage	V <sub>F</sub>	IF=10A, Pulse measurement			1.1	V
Reverse current	I <sub>R</sub>	VR=600V, Pulse measurement			10	μA
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.25IR			115	ns
Total capacitance	Ct	f=1MHz, VR=10V		62		pF
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			2.5	°C/W

\*:See the original Specifications

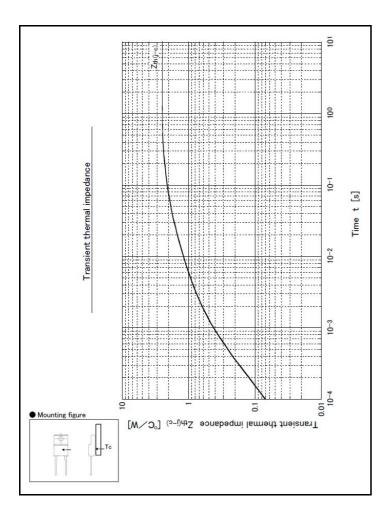
## **CHARACTERISTIC DIAGRAMS**



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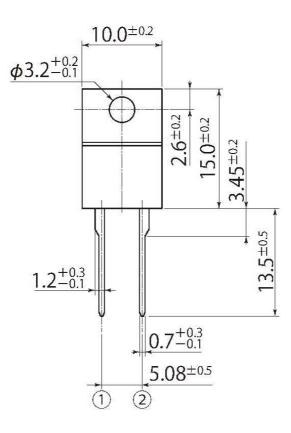
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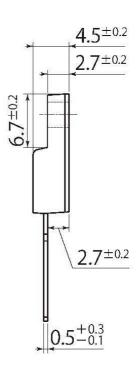


unit:mm

J3

JEDEC Code	-		
JEITA Code	SC-91		
House Name	FTO-220AG(2pin)		





## Notes

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## [Special applications]

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