SF20L60MVM

Fast Recovery Diodes 600V, 20A

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)

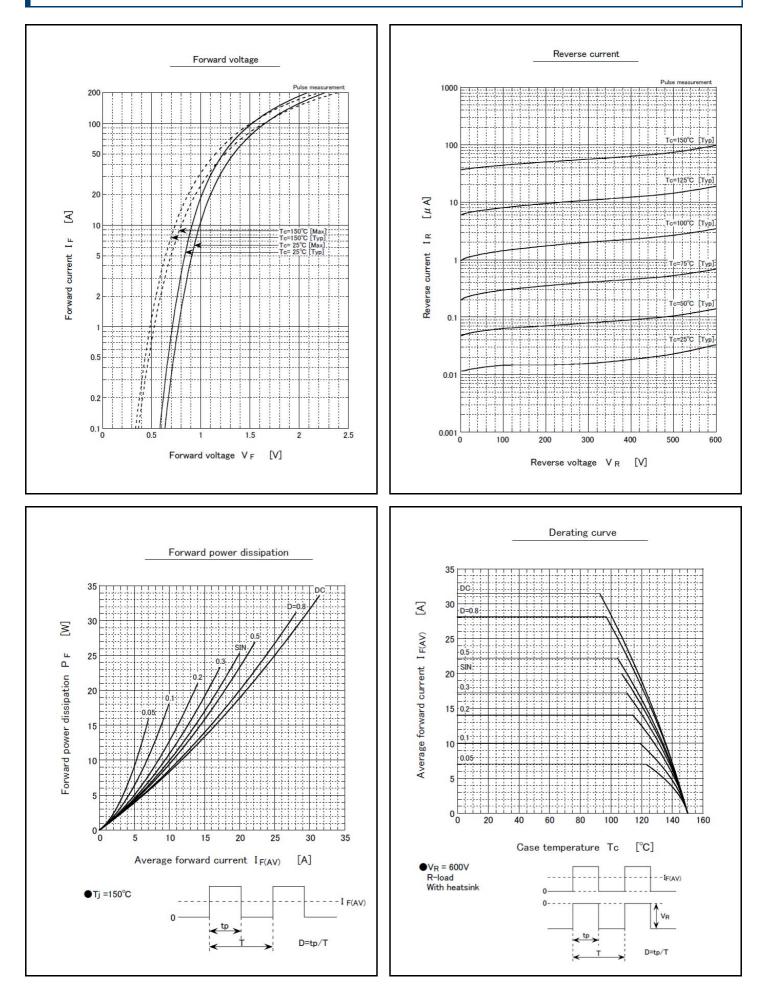
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		600	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=106°C	20	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	250	А
Surge forward current	I _{FSM1}	tp=1ms, Sine wave, Non-repetitive, Peak value, Tj=25°C	430	А
Dielectric strength	Vdis	Terminals to case, AC 1 minute 2		kV
Mounting torque	TOR	(Recommended torque: 0.3N·m)	0.5	N∙m

* : See the original Specifications

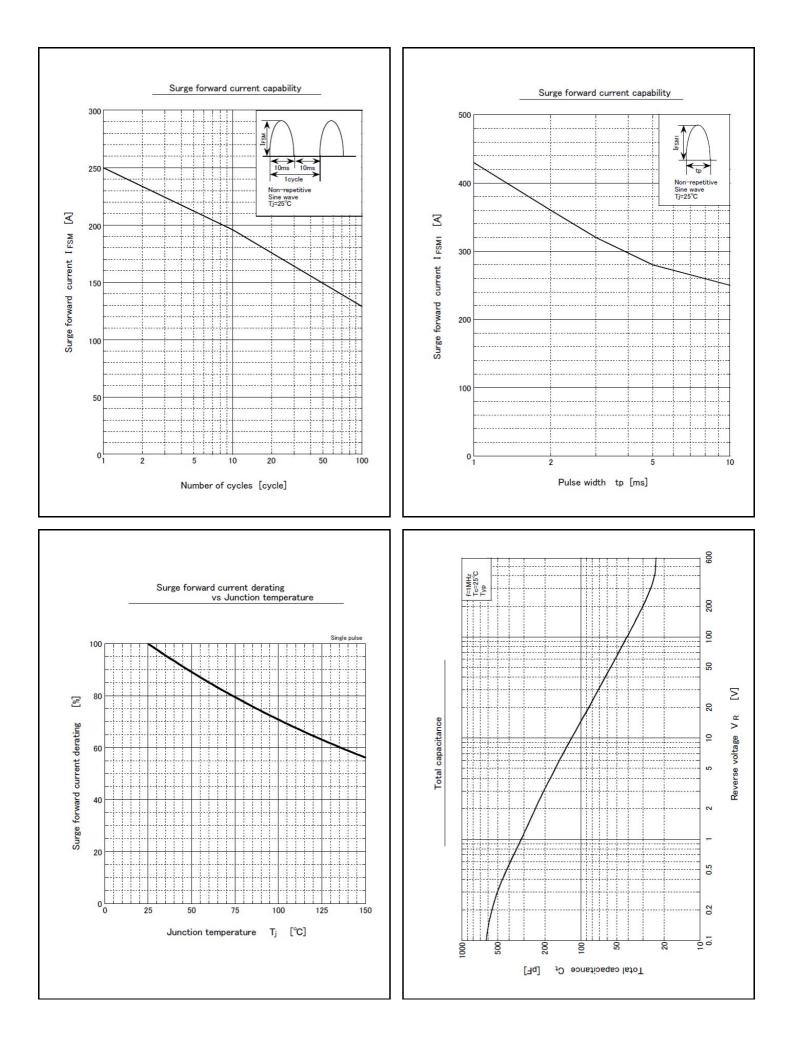
ltem	Symbol	Conditions		Ratings		
	Symbol		MIN	ТҮР	MAX	Unit
Forward voltage	V _F	IF=20A, Pulse measurement			1.1	V
Reverse current	I _R	VR=600V, Pulse measurement			10	μA
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.25IR			130	ns
Total capacitance	Ct	f=1MHz, VR=10V		118		pF
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			1.7	°C/W

*:See the original Specifications

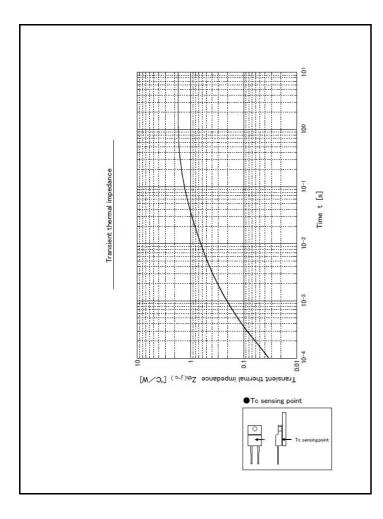
CHARACTERISTIC DIAGRAMS



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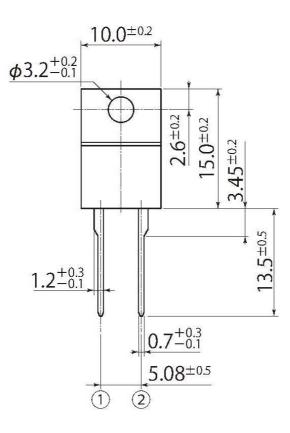
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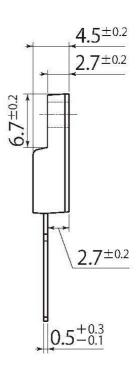


unit:mm

J3

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





Notes

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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]

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