

# SF10L60U

Fast Recovery Diodes  
600V, 10A

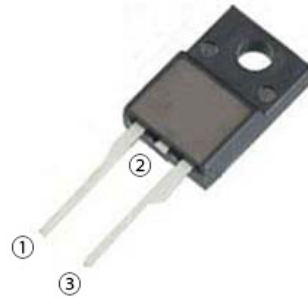
## Feature

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

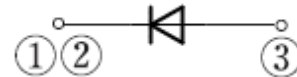
## OUTLINE

Package (House Name): FTO-220

Package (JEITA Code): SC-91A



## Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	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(AV)</sub>	50Hz sine wave, Resistance load, With heatsink, Tc=85°C	10	A
Surge forward current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	120	A
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.3N·m)	0.5	N·m

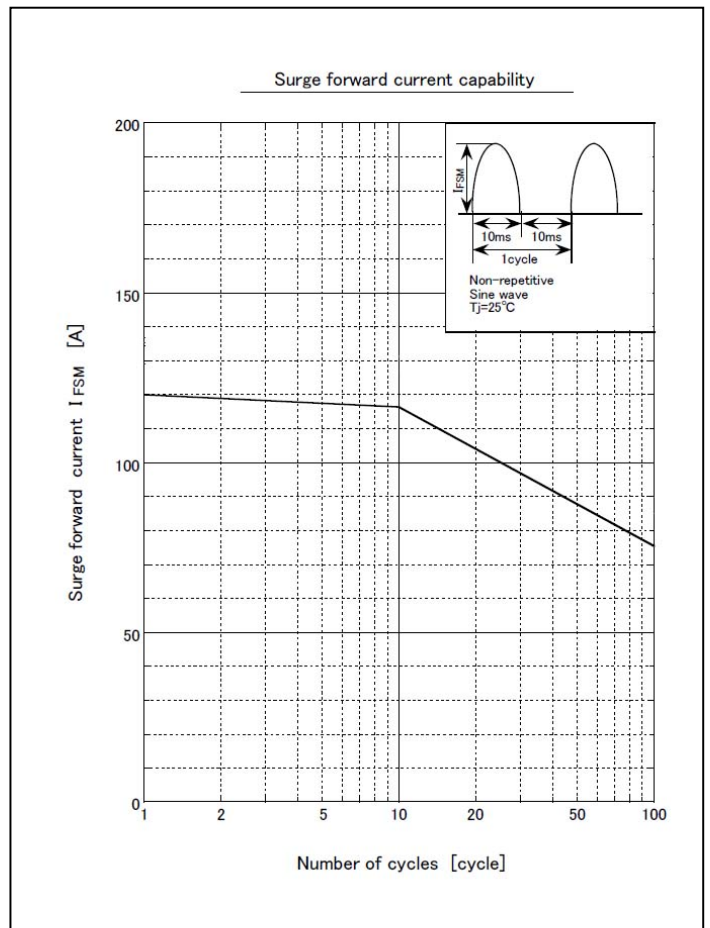
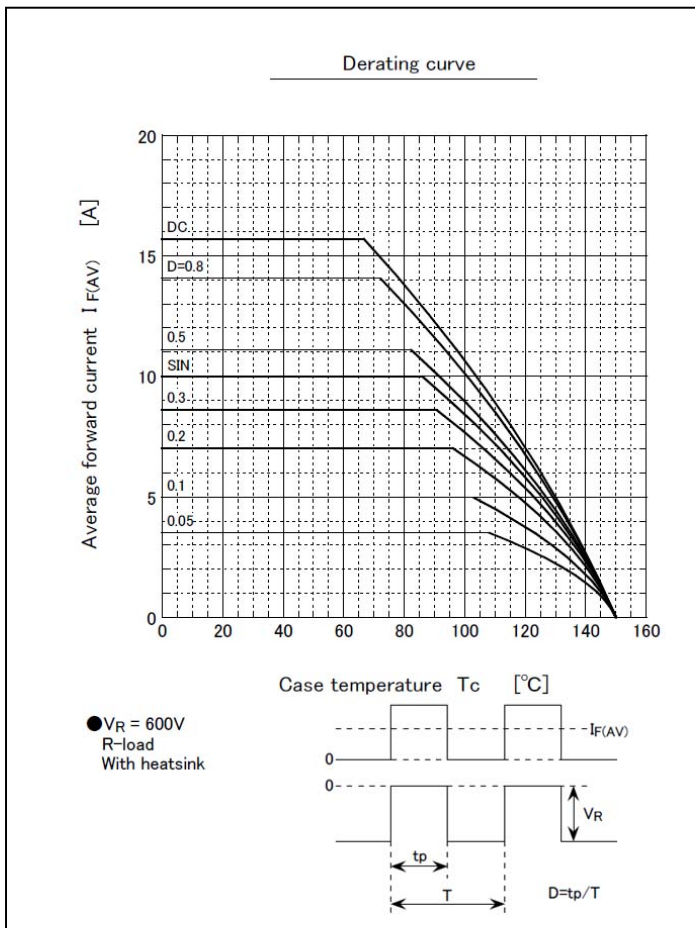
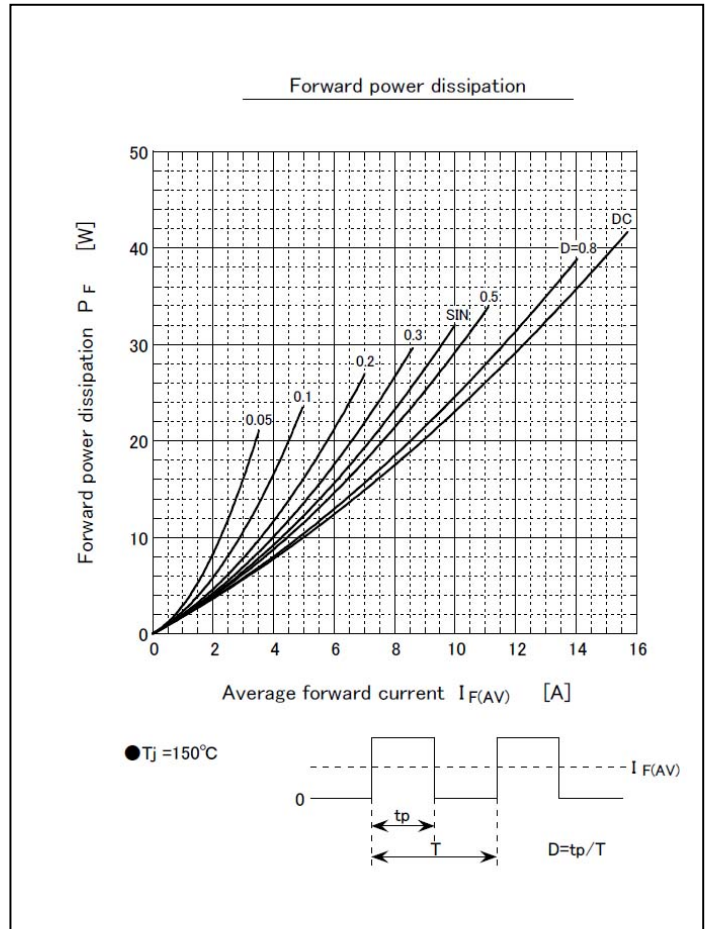
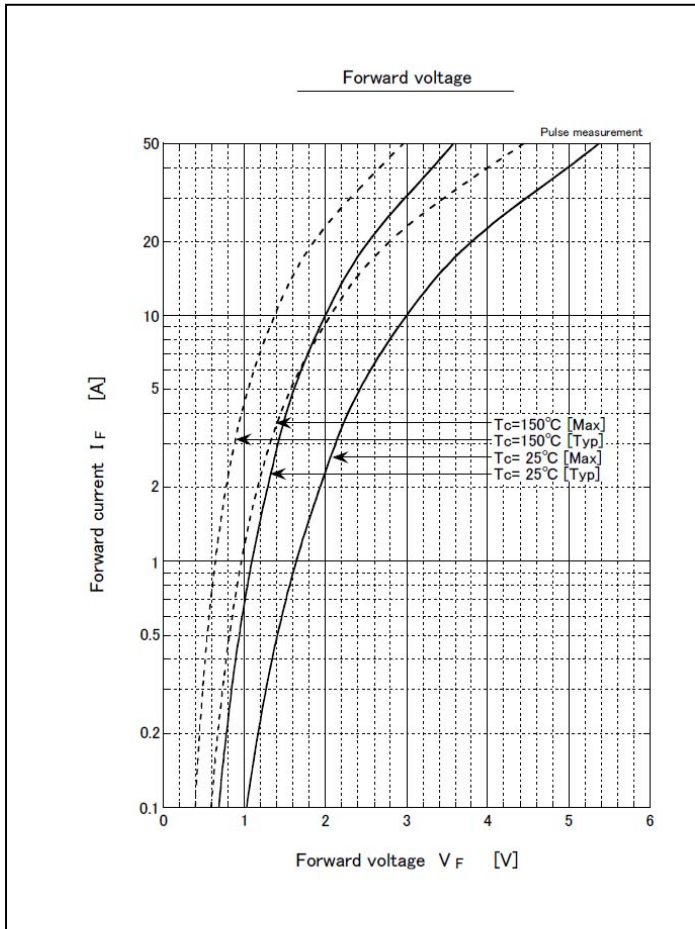
※ : See the original Specifications

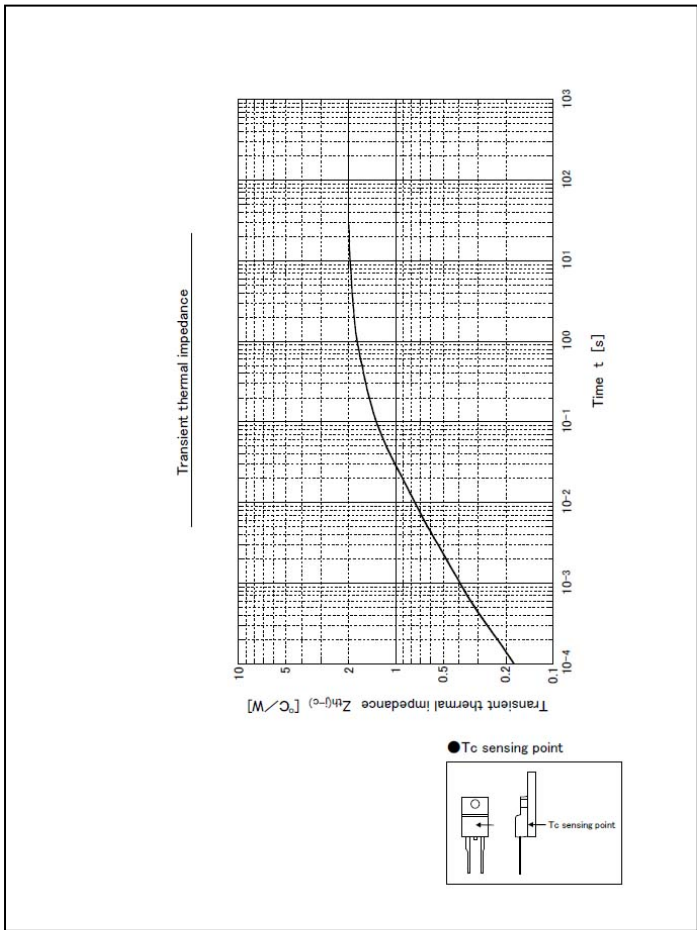
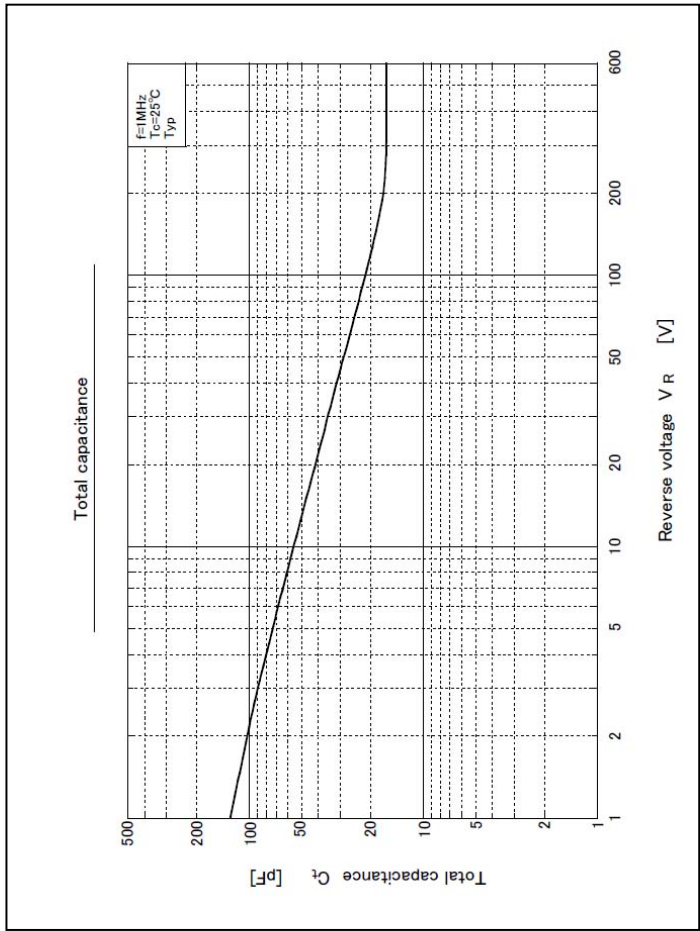
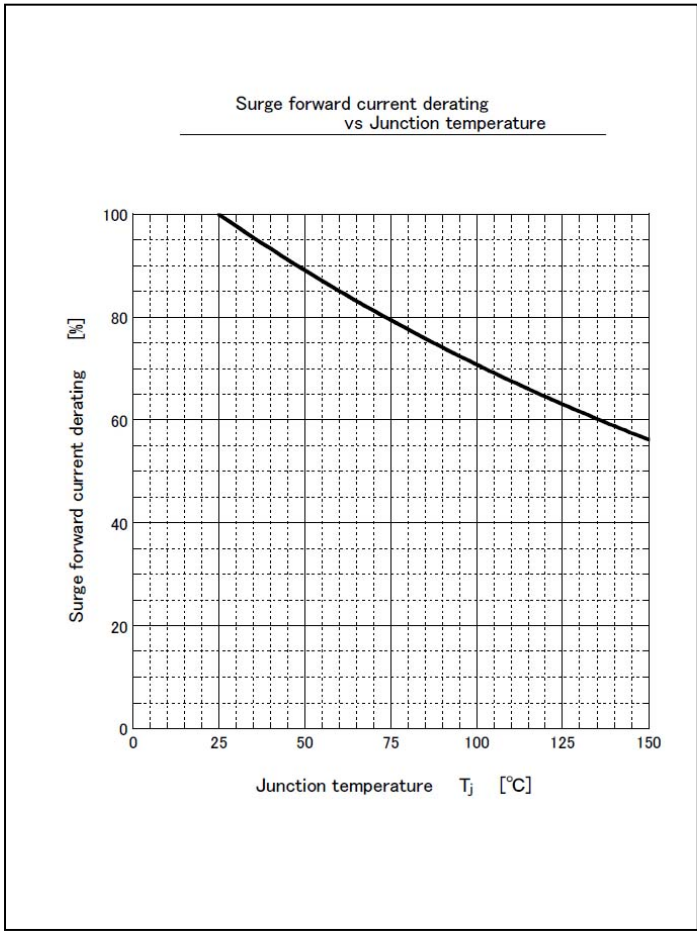
**Electrical Characteristics** (unless otherwise specified : Tc=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V <sub>F</sub>	IF=10A, Pulse measurement			3	V
Reverse current	I <sub>R</sub>	VR=600V, Pulse measurement			25	μA
Reverse recovery time	t <sub>rr</sub>	IF=0.5A, IR=1.0A, 0.1IR			25	ns
Total capacitance	C <sub>t</sub>	f=1MHz, VR=10V		55		pF
Thermal resistance	R <sub>th(j-c)</sub>	Junction to case, With heatsink			2	°C/W

※ :See the original Specifications

# CHARACTERISTIC DIAGRAMS



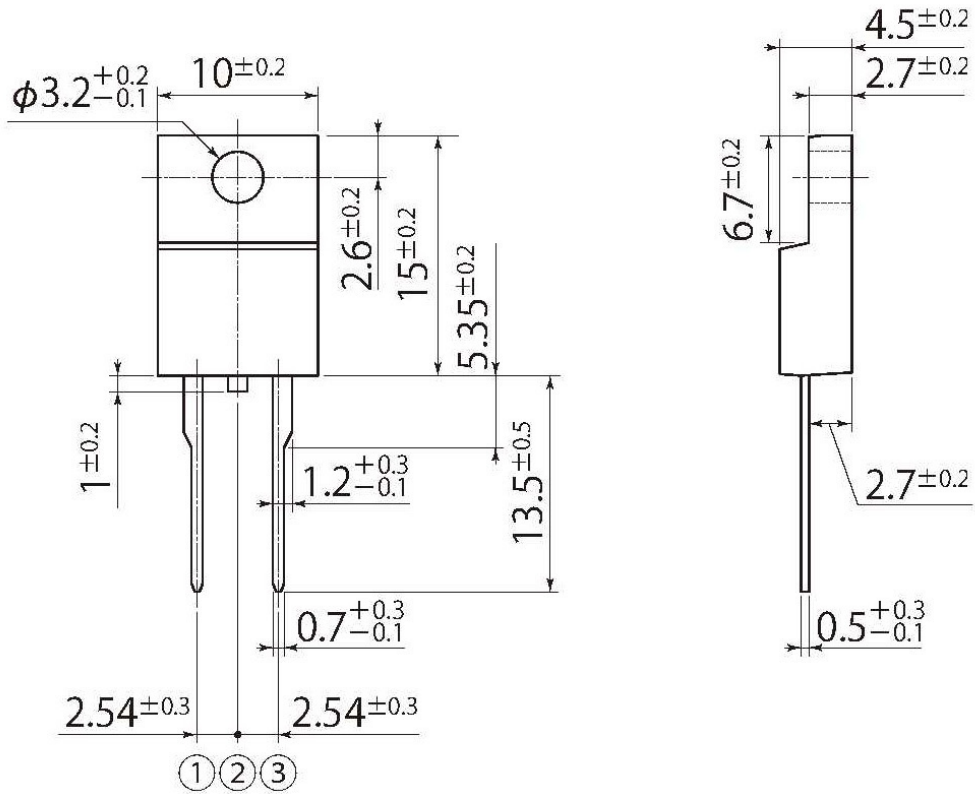


# Outline Dimensions

unit:mm

J1

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



## Notes

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  - 【Special applications】  
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  - 【Specific applications】  
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