

SG30JC6M

Schottky Barrier Diodes

60V, 30A

Feature

- High Recovery Speed
- Pb free terminal
- RoHS:Yes

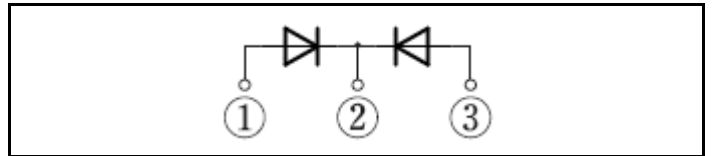
OUTLINE

Package (House Name): FTO-220G

Package (JEITA Code): SC-91



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		150	°C
Repetitive peak reverse voltage	V _{RRM}		60	V
Repetitive peak surge reverse voltage	V _{RRSM}	Pulse width 0.5ms, duty=1/40	65	V
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, Rating for each diode I _{F(AV)} /2, Tc=90°C	30	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive, 1 cycle, Peak value, Tj=25°C	250	A
Dielectric strength	Vdis	Terminals to case backside, AC 1 minute.	1.5	kV
Mounting torque	TOR	(Recommended torque : 0.3N·m)	0.5	N·m

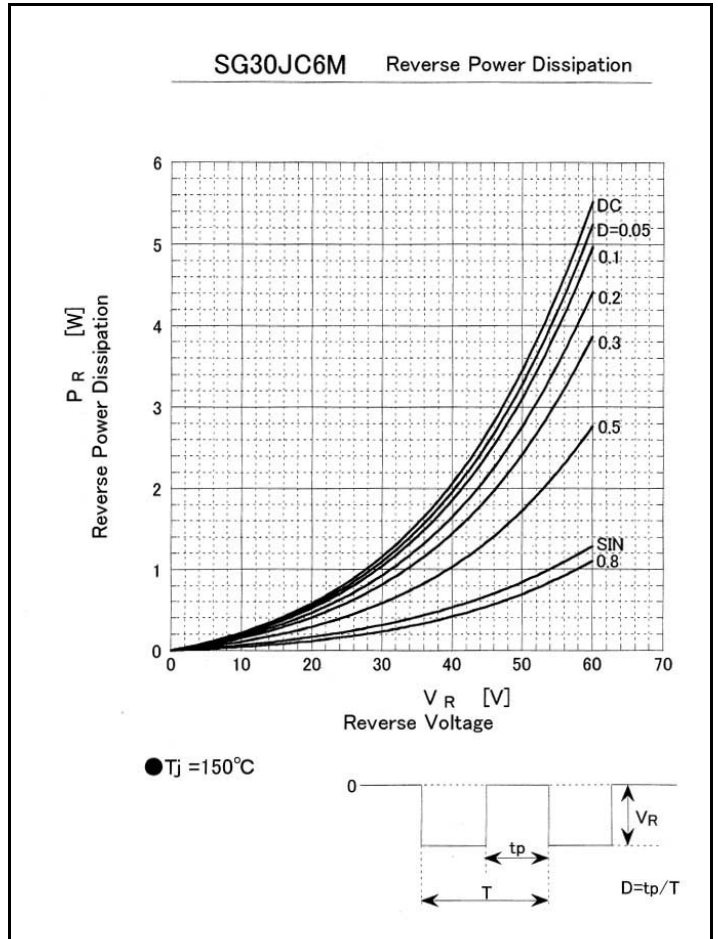
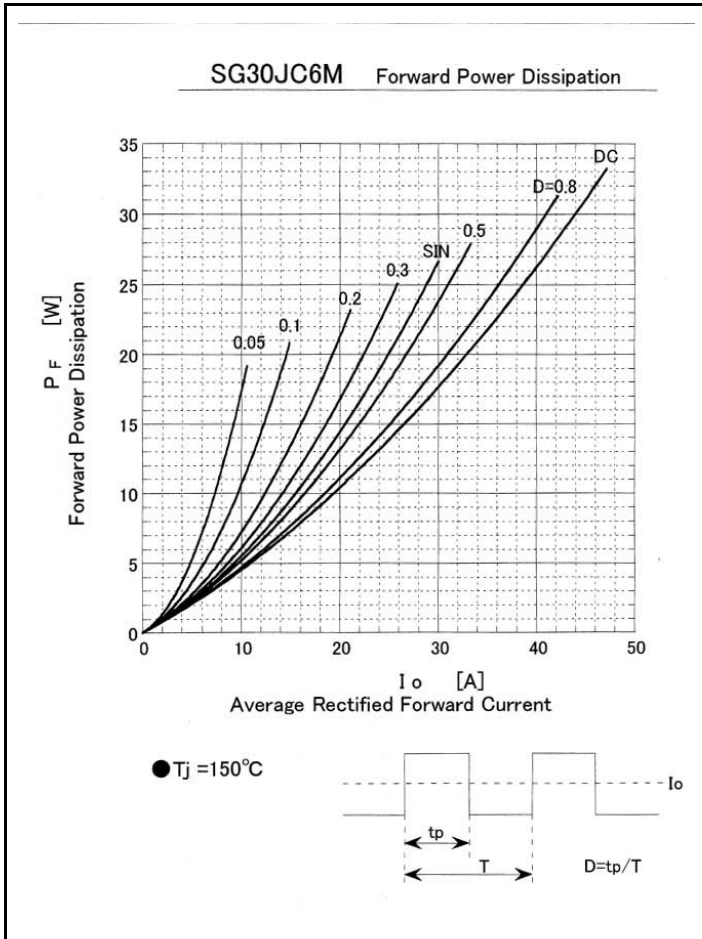
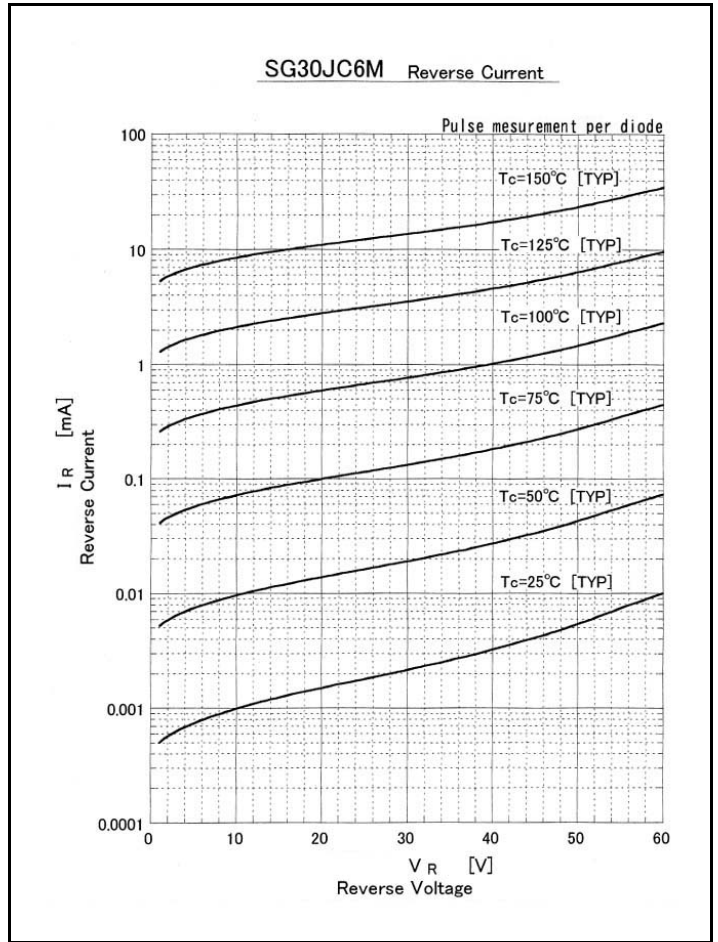
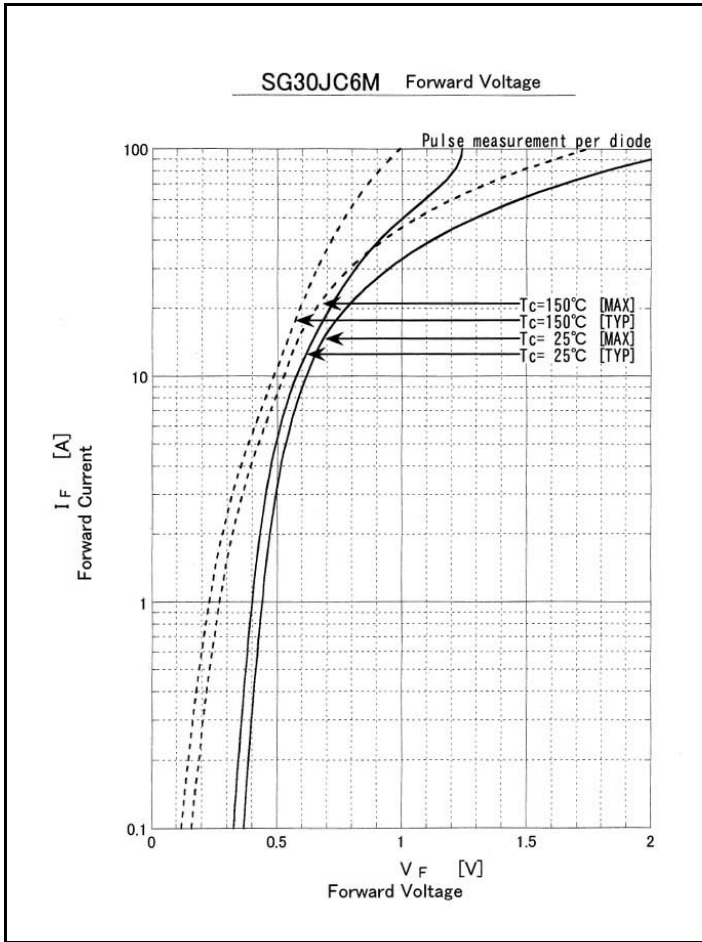
※ : See the original Specifications

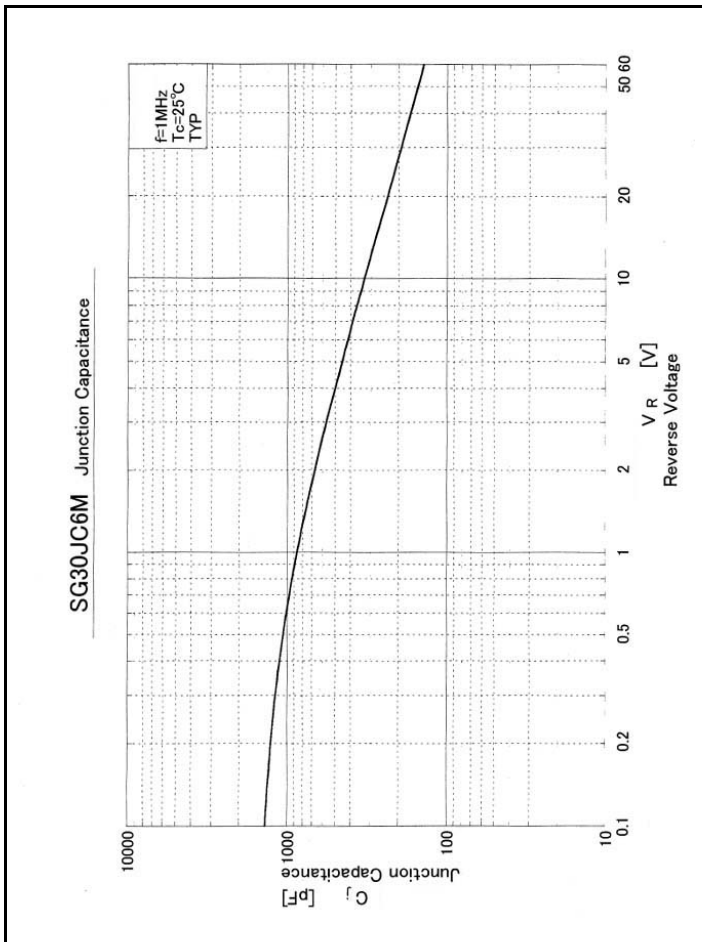
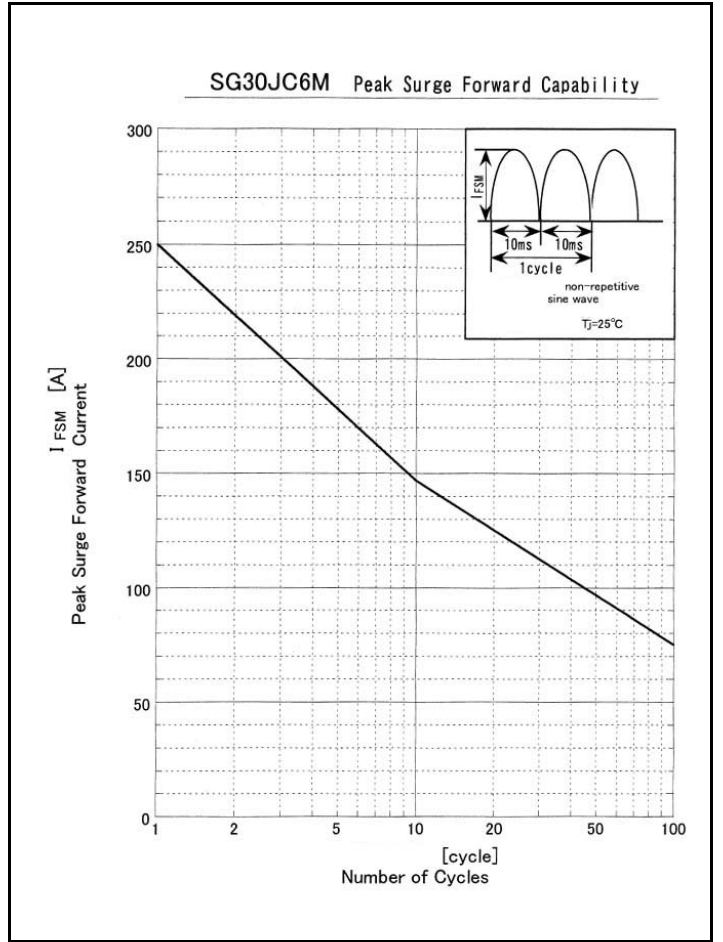
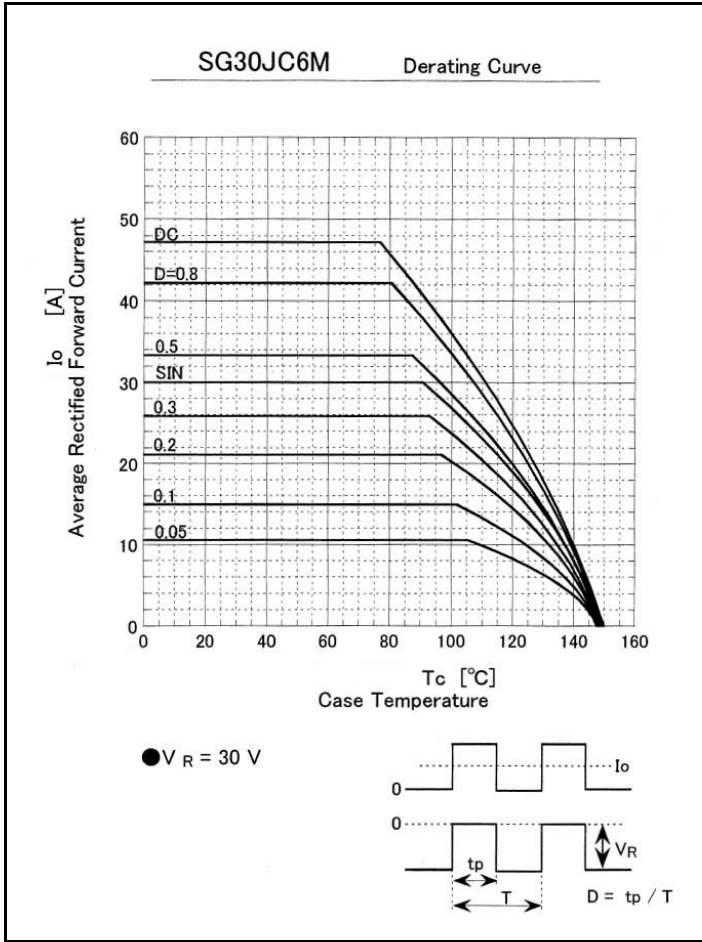
Electrical Characteristics (unless otherwise specified : Tc=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V _F	I _F =15A, Pulse measurement, per diode		0.65	0.69	V
Reverse current	I _R	V _R =60V, Pulse measurement, per diode			0.15	mA
Total capacitance	C _t	f=1MHz, V _R =10V, per diode		325		pF
Thermal resistance	R _{th(j-c)}	Junction to case			2.2	°C/W

* : See the original Specifications

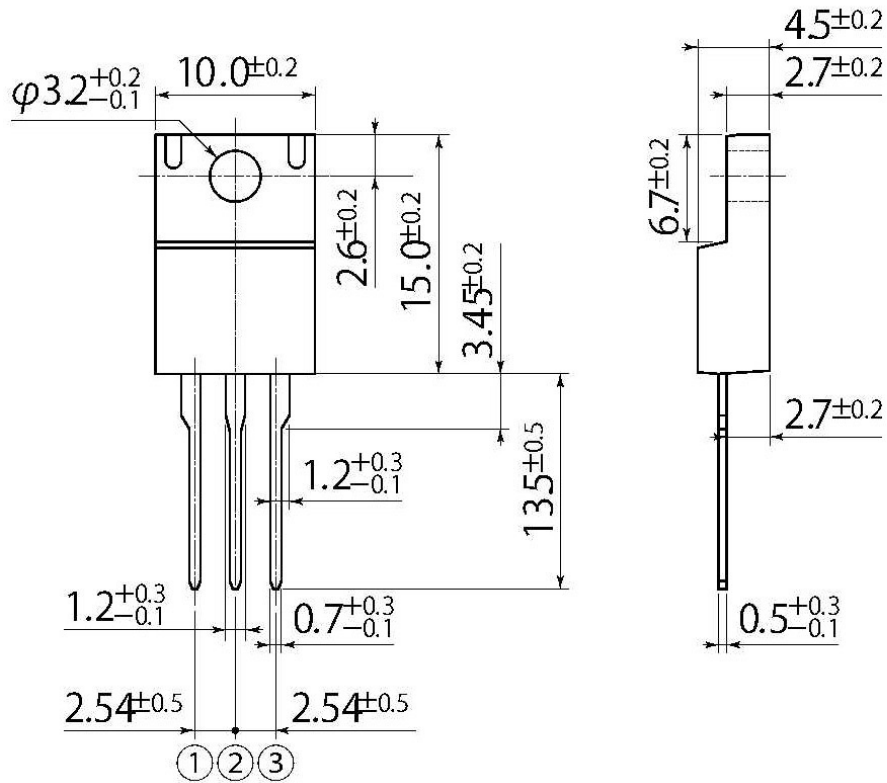
CHARACTERISTIC DIAGRAMS





J9

JEDEC Code	-
JEITA Code	SC-91
House Name	FTO-220G(3pin)



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