SG30TC10M

Schottky Barrier Diodes 100V, 30A

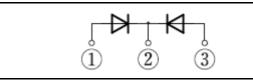
Feature

- High Recovery Speed
- Tj=175°C
- Ultra low I_R
- · Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



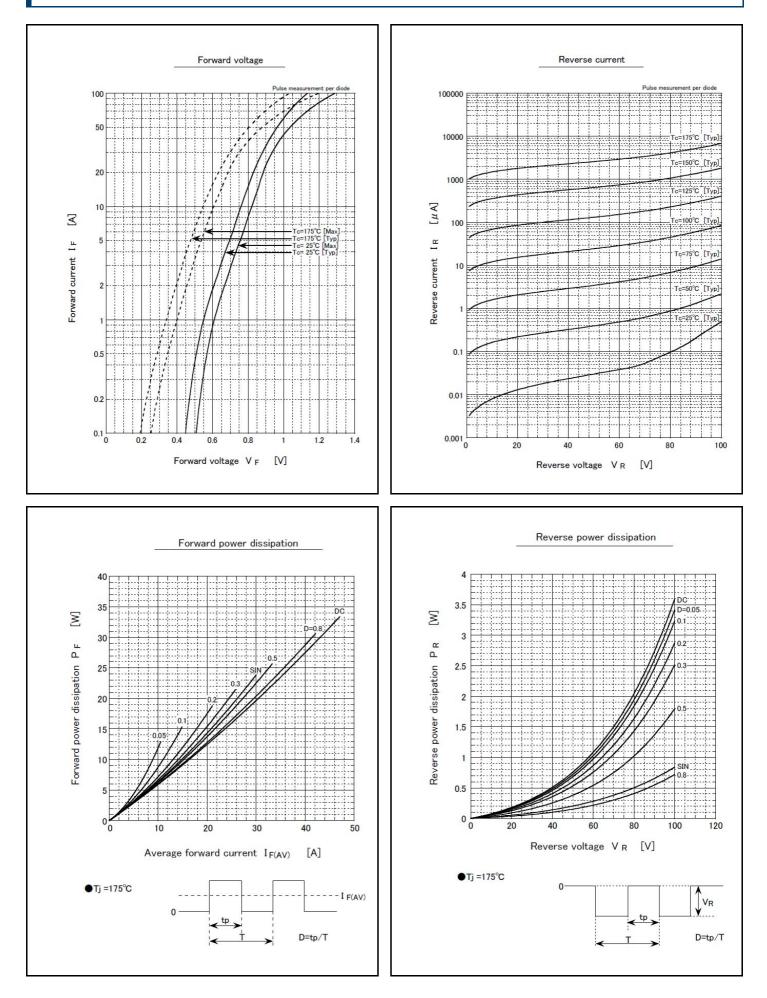
Absolute Maximum Ratings (unless otherwise specified : Tc=25°C)							
Item	Symbol	Conditions	Ratings	Unit			
Storage temperrature	Tstg		-55 to 175	°C			
Junction temperature	Tj		-55 to 175	°C			
Repetitive peak reverse voltage	V _{RRM}		100	V			
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Rating for each diode IF(AV)/2, With heatsink, Tc=126°C	30	А			
Surge forward current	I _{FSM}	Hz sine wave, Non-repetitive, 1cycle, Peak value, 300		А			
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			

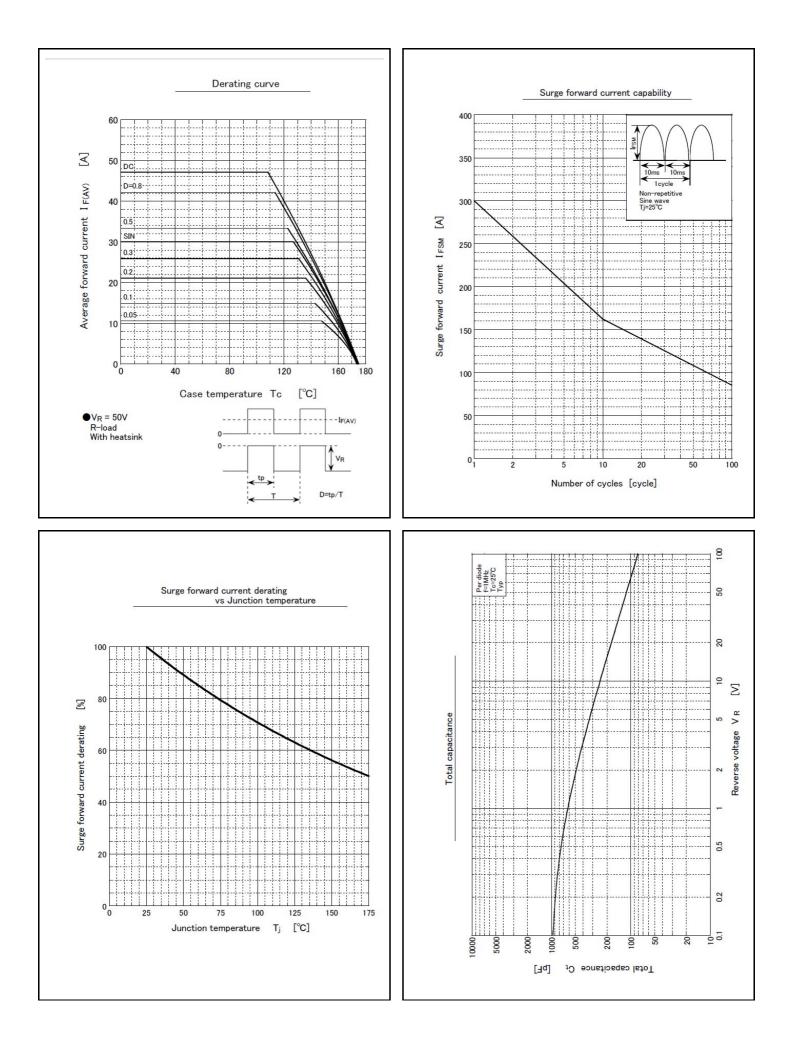
* : See the original Specifications

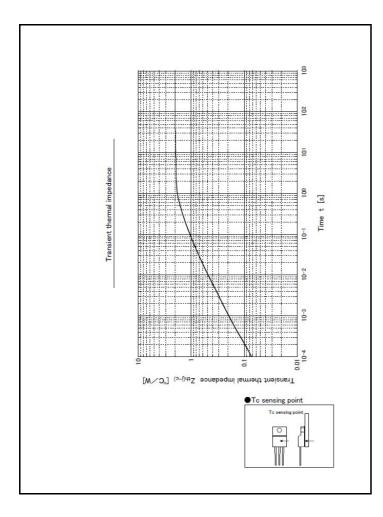
Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	Onne
Forward voltage	V _F	IF=15A, Pulse measurement, per diode		0.8	0.86	V
Reverse current	I _R	VR=100V, Pulse measurement, per diode			0.04	mA
Total capacitance	Ct	f=1MHz, VR=10V, per diode		242		pF
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			2	°C/W

* : See the original Specifications

CHARACTERISTIC DIAGRAMS



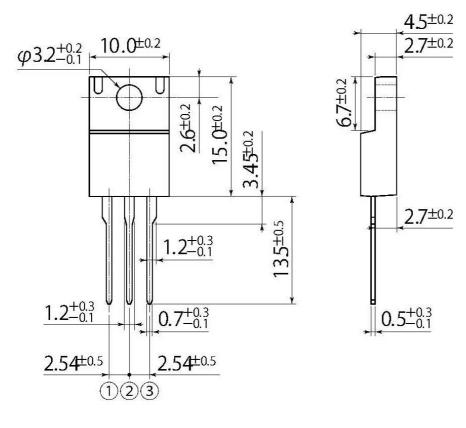




unit:mm

scale: 2/1

J9	JEDEC Code	—			
	JEITA Code	SC-91			
	House Name	FTO-220G(3pin)			



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[Specific applications]

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