DF30JC6

Schottky Barrier Diodes 60V, 30A

Feature

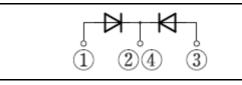
• SMD

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

OUTLINE



Equivalent circuit



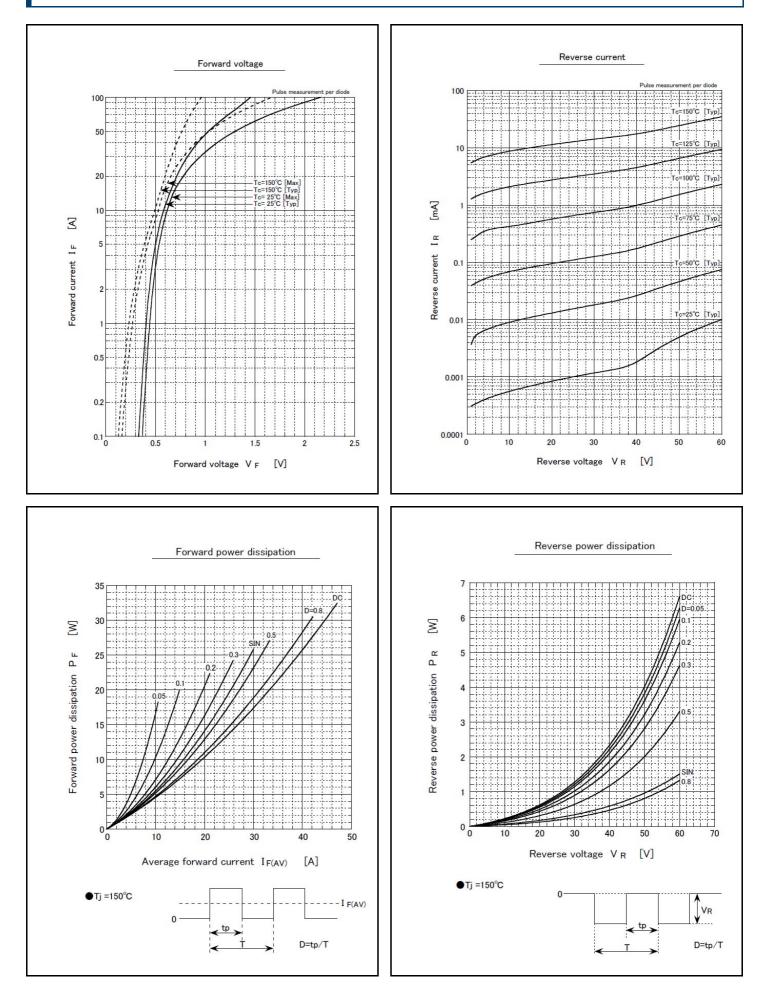
Absolute Maximum Ratings (unless otherwise specified : Tc=25°C)								
Item	Symbol	Conditions	Ratings	Unit				
Storage temperrature	Tstg		-55 to 150	°C				
Junction temperature	Tj		-55 to 150	°C				
Repetitive peak reverse voltage	V _{RRM}		60	V				
Repetitive peak surge reverse voltage	V _{RRSM}	Pulse width 0.5ms, duty=1/40	65	V				
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Rating for each diode IF(AV)/2, With heatsink, Tc=108°C	30	A				
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	250	А				

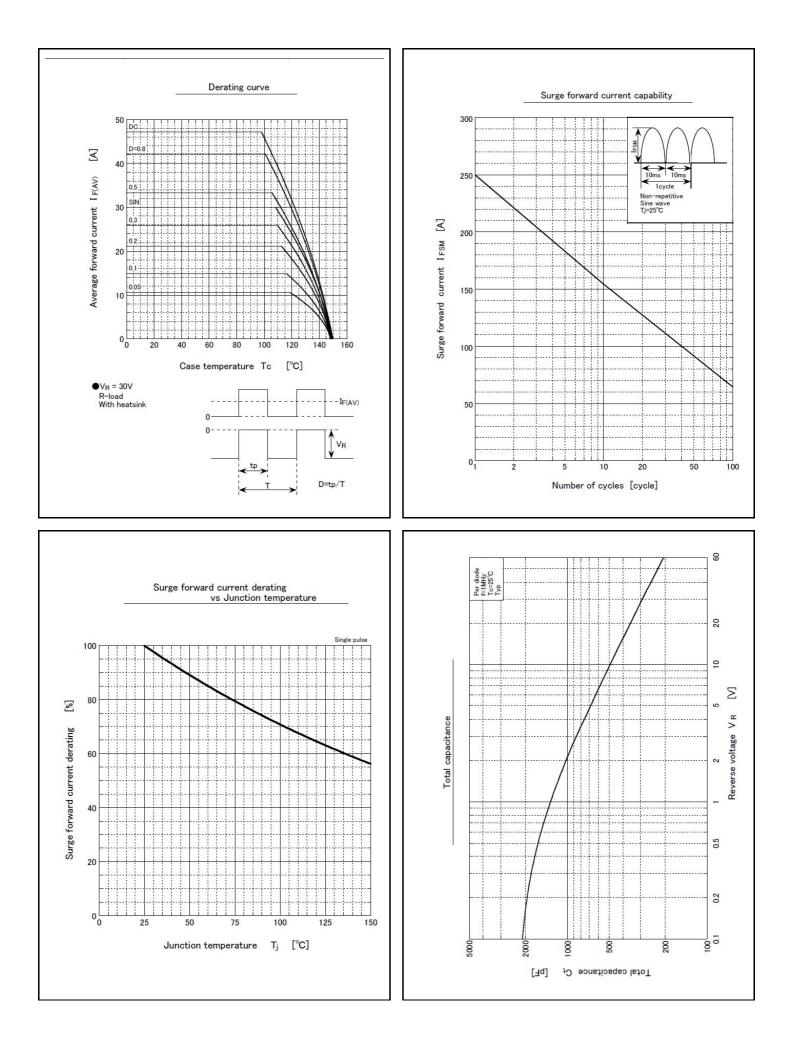
* : See the original Specifications

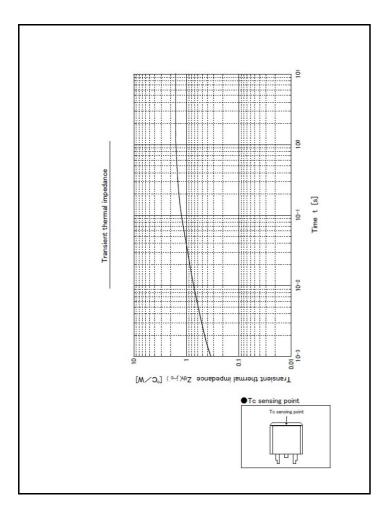
Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	onit
Forward voltage	V _F	IF=15A, Pulse measurement, per diode			0.69	V
Reverse current	I _R	VR=60V, Pulse measurement, per diode			0.7	mA
Total capacitance	Ct	f=1MHz, VR=10V, per diode		490		pF
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			1.6	°C/W

* : See the original Specifications

CHARACTERISTIC DIAGRAMS

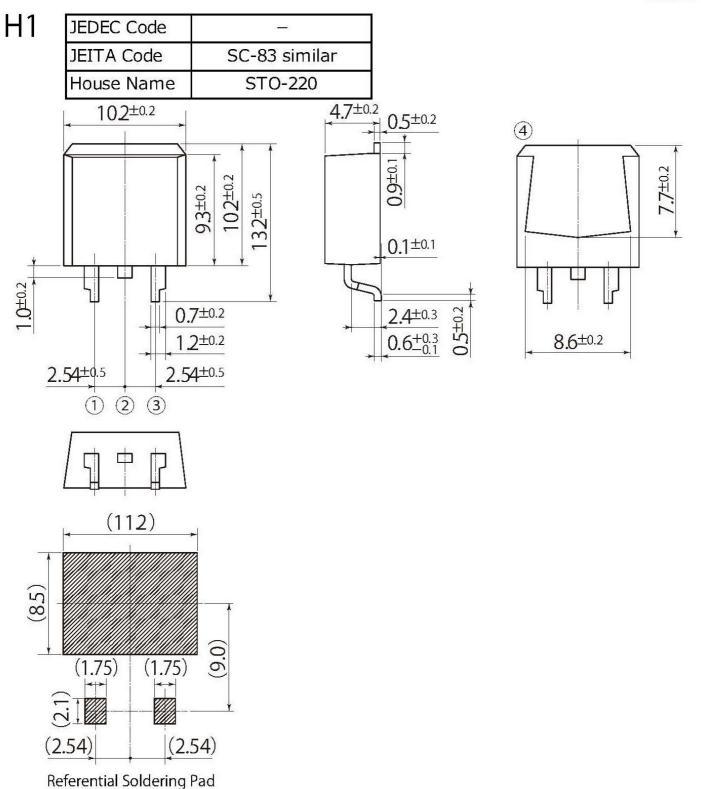






unit:mm

scale: 3/1



Optimize soldering pad to the board design and soldering condition.

Notes

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