# **DF30NC15**

Schottky Barrier Diodes 150V, 30A

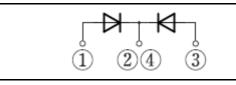
## Feature

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

## OUTLINE



## **Equivalent circuit**



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

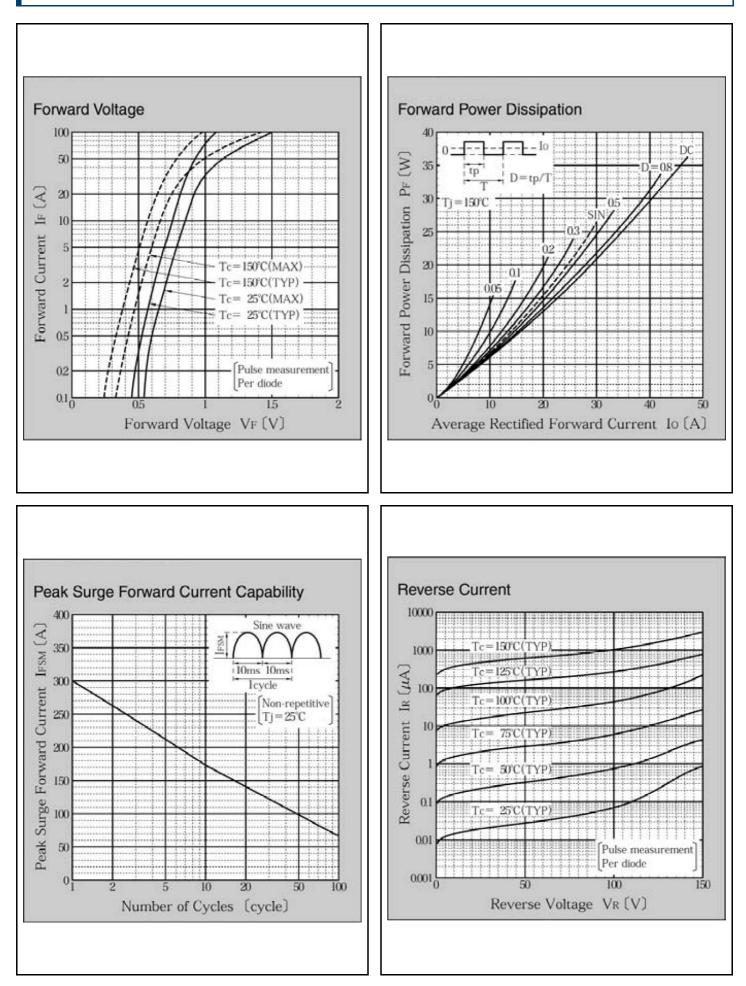
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V <sub>RRM</sub>		150	V
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, Rating for each diode IF(AV)/2, Tc=115°C	30	А
Surge forward current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	300	А

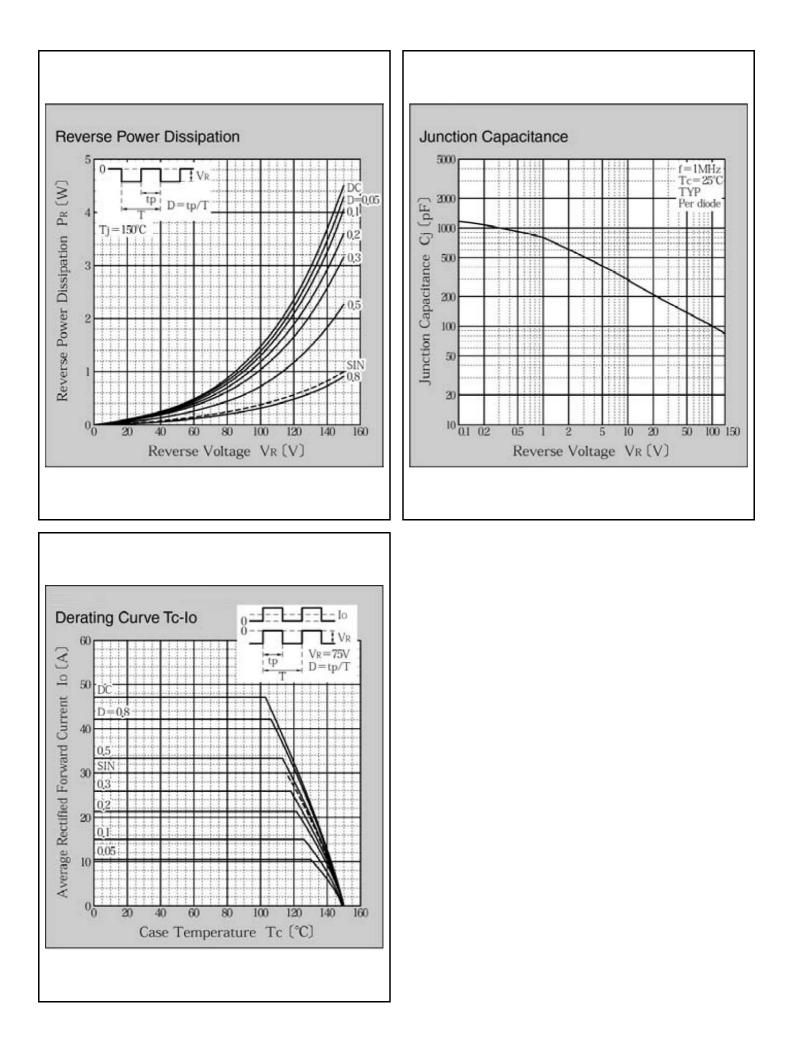
\* : See the original Specifications

Electrical Characteristics (unless otherwise specified : Tc=25°C)								
Item	Symbol	Conditions	Ratings			Unit		
			MIN	ТҮР	MAX			
Forward voltage	V <sub>F</sub>	IF=15A, Pulse measurement, per diode			0.88	V		
Reverse current	I <sub>R</sub>	VR=150V, Pulse measurement, per diode			0.5	mA		
Total capacitance	Ct	f=1MHz, VR=10V, per diode		300		pF		
Thermal resistance	Rth(j-c)	Junction to case			1.3	°C/W		

\* : See the original Specifications

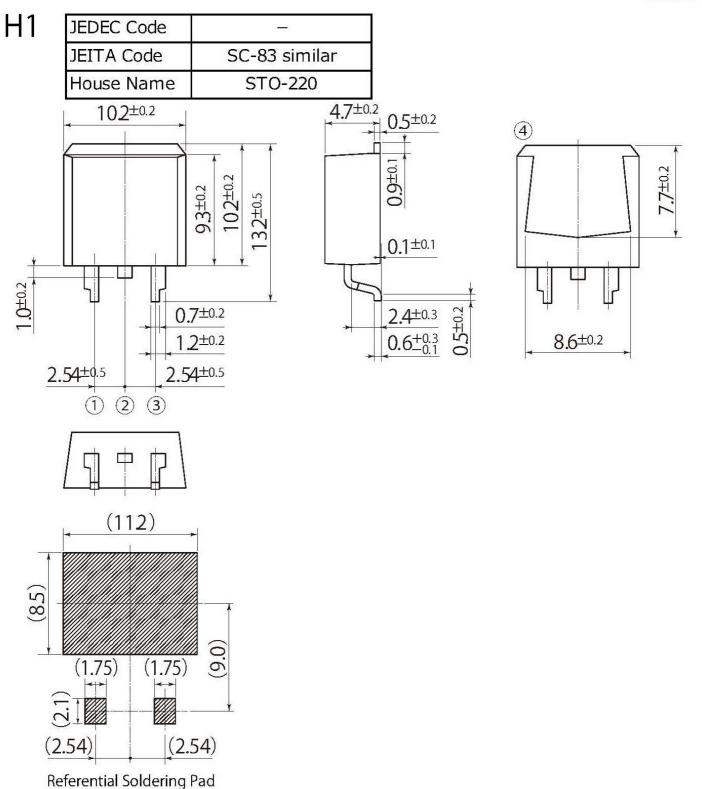
## **CHARACTERISTIC DIAGRAMS**





unit:mm

scale: 3/1



• Optimize soldering pad to the board design and soldering condition.

## Notes

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