

DF20JC10

Schottky Barrier Diodes 100V, 20A

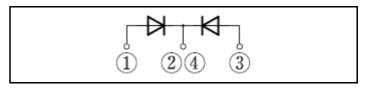
Feature

- 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		150	°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, Tc=121°C	20	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	200	А

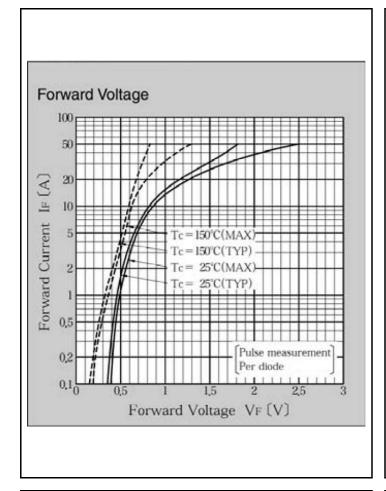
^{*} :See the original Specifications

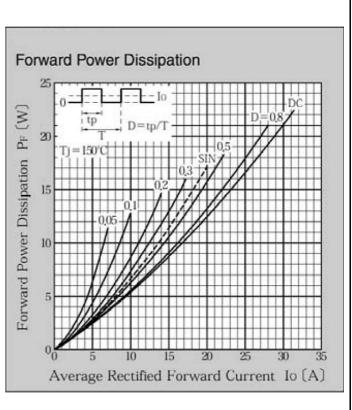
Electrical Characteristics (unless otherwise specified : Tc=25°C)

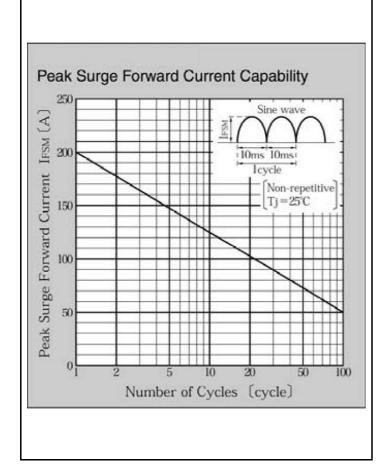
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Oilit
Forward voltage	V _F	IF=10A, Pulse measurement, per diode			0.86	V
Reverse current	I _R	VR=100V, Pulse measurement, per diode			0.7	mA
Total capacitance	Ct	f=1MHz, VR=10V, per diode		260		pF
Thermal resistance	Rth(j-c)	Junction to case			1.6	°C/W

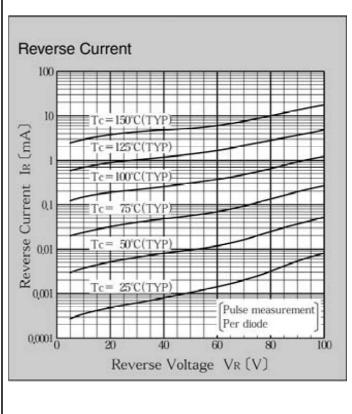
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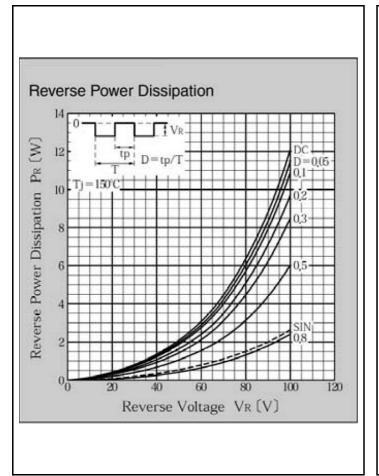
CHARACTERISTIC DIAGRAMS

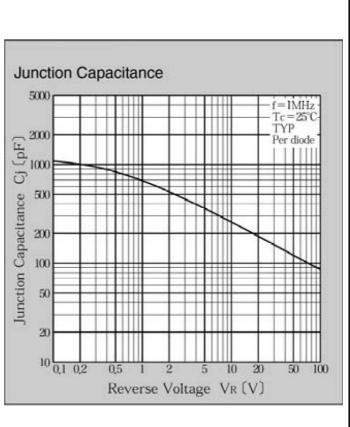


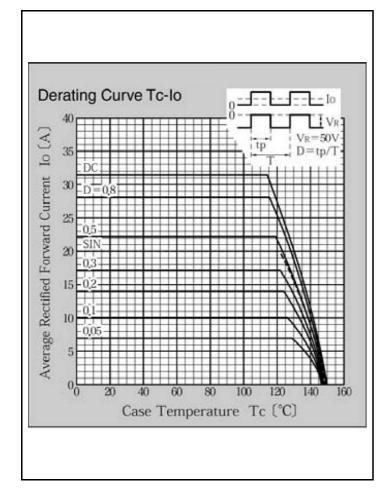






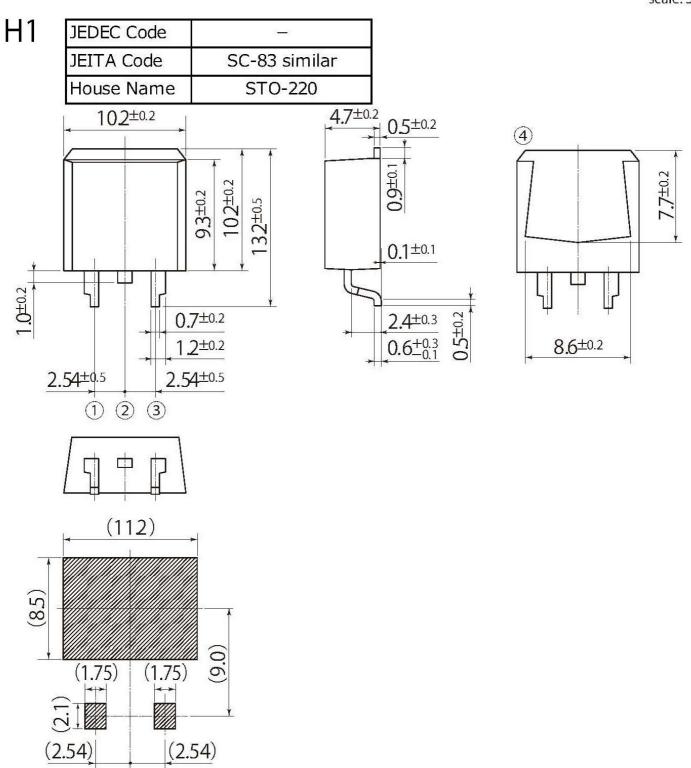






unit:mm

scale: 3/1



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

Referential Soldering Pad

Notes

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(Special applications)

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