

DF15VD60

General Rectifying Diodes 600V, 15A

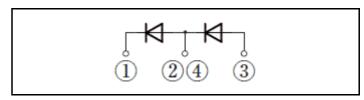
Feature

- SMD
- · 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		-40 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V_{RRM}		600	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Tc=127°C, rating for each diode lo/2 *	15	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	190	Α

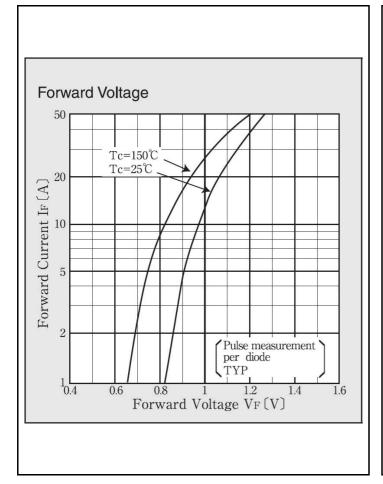
^{* :}See the original Specifications

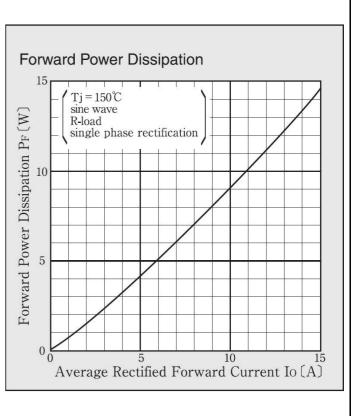
Electrical Characteristics (unless otherwise specified : Tc=25°C)

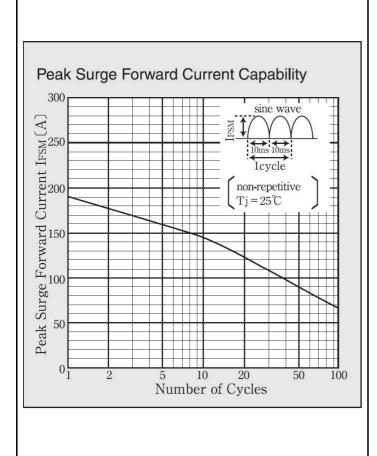
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Oiiit
Forward voltage	V _F	IF=7.5A, Pulse measurement, per diode			1.05	V
Reverse current	I _R	VR=600V, Pulse measurement, per diode			10	μΑ
Thermal resistance	Rth(j-c)	Junction to case			1.6	°C/W

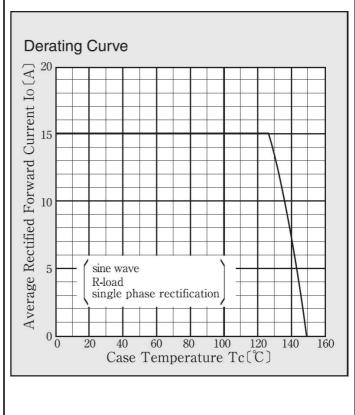
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CHARACTERISTIC DIAGRAMS



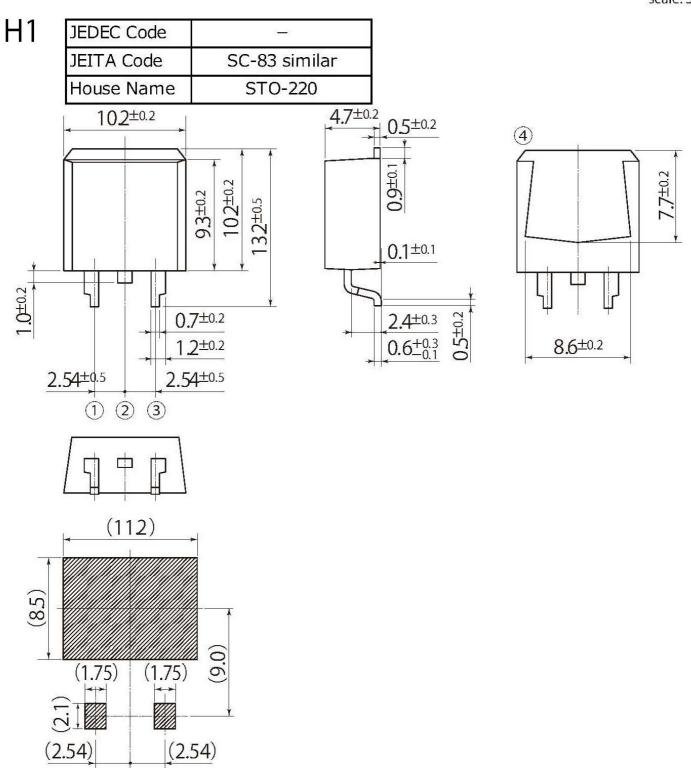






unit:mm

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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(Specific applications)

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