

D5FEC3SH

Schottky Barrier Diodes 30V, 5A

Feature

- SMD
- $\bullet \ Ultra \ low \ V_F$
- · Pb free terminal
- RoHS:Yes

OUTLINE

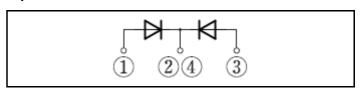
Package (House Name): FE

Package (JEDEC Code): TO-252AB similar

Package (JEITA Code): SC-63



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 125	°C
Junction temperature	Tj		-55 to 125	°C
Repetitive peak reverse voltage	V_{RRM}		30	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Rating for each diode IF(AV)/2, Tc=110°C *	5	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	100	Α

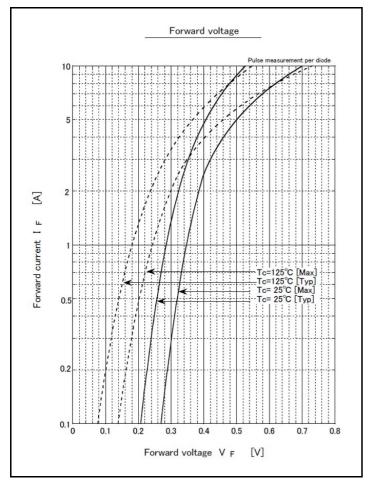
^{* :}See the original Specifications

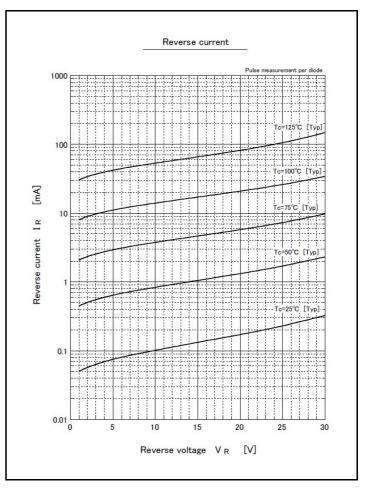
Electrical Characteristics (unless otherwise specified : Tc=25°C)

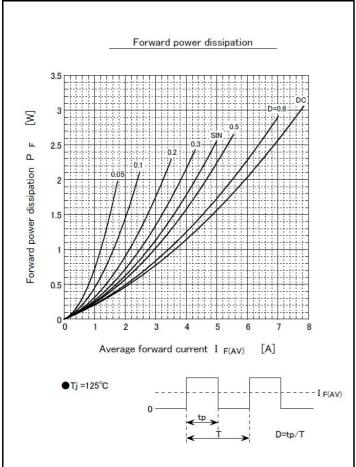
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	J J
Forward voltage	V _F	IF=2.5A, Pulse measurement, per diode			0.4	V
Reverse current	I _R	VR=30V, Pulse measurement, per diode			1.3	mA
Total capacitance	Ct	f=1MHz, VR=10V, per diode		91		pF
Thermal resistance	Rth(j-c)	Junction to case, With heatsink *			4	°C/W

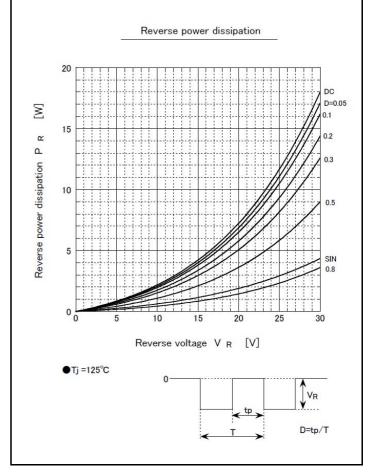
^{* :} See the original Specifications

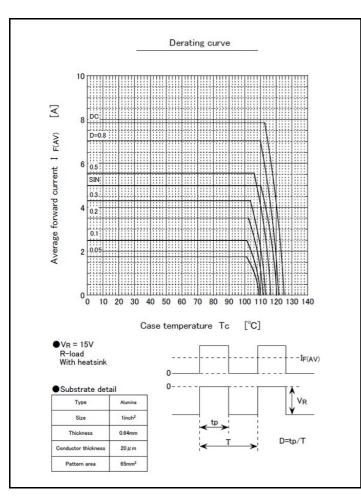
CHARACTERISTIC DIAGRAMS

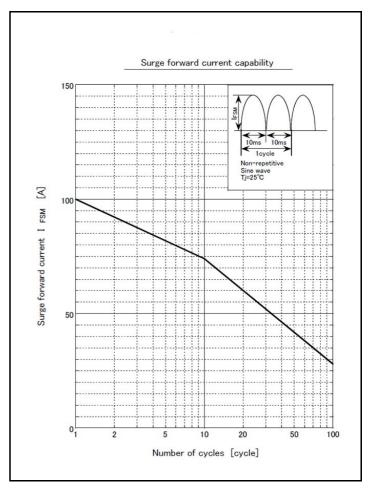


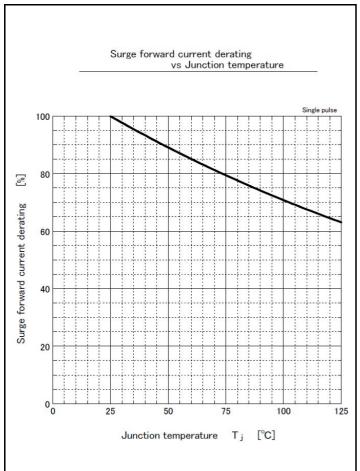


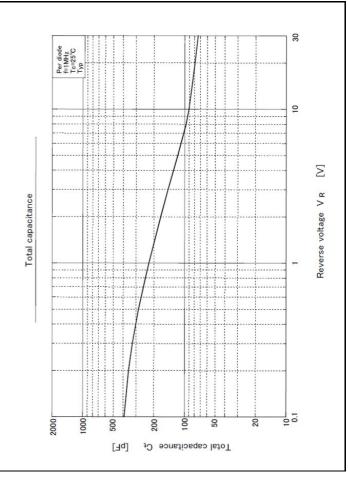


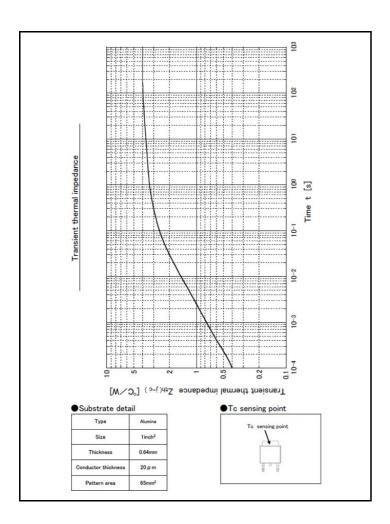








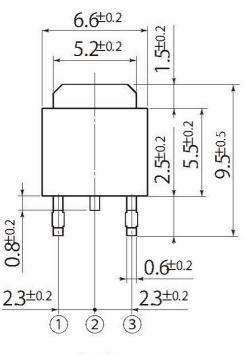


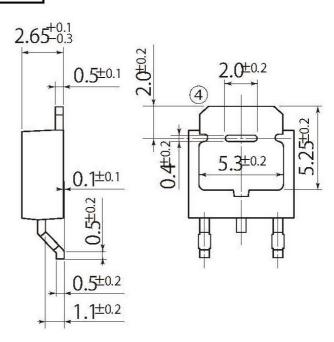


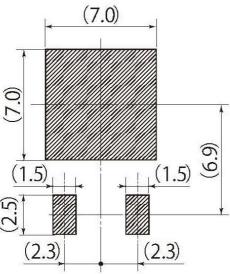
scale: 4/1

G3

JEDEC Code	TO-252AB similar		
JEITA Code	SC-63		
House Name	FE		







Referential Soldering Pad

 $[\]bullet$ Optimize soldering pad to the board design and soldering condition.

Notes

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(Special applications)

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