ShinDengen

D2FL20U

Fast Recovery Diodes
200V, 1.5A

Feature

- Small SMD
- High Recovery Speed
- Based on AEC-Q101
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 2F

Equivalent circuit

Absolute Maximum Ratings (unless otherwise specified : Tl=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}		200	V
Average forward current	I_F(AV)	50Hz sine wave, Resistance load, On alumina substrate, Ta=25°C	1.5	A
Average forward current	I_F(AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C	1.2	A
Surge forward current	I_{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	50	A

※ ：See the original Specifications

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

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=1.5A, Pulse measurement			0.98	V
Reverse current	I_R	VR=200V, Pulse measurement			10	μA
Reverse recovery time	trr	IF=0.5A, IR=1A			35	ns
Thermal resistance	Rth(j-l)	Junction to lead			24	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On alumina substrate			90	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate			120	°C/W

※ :See the original Specifications

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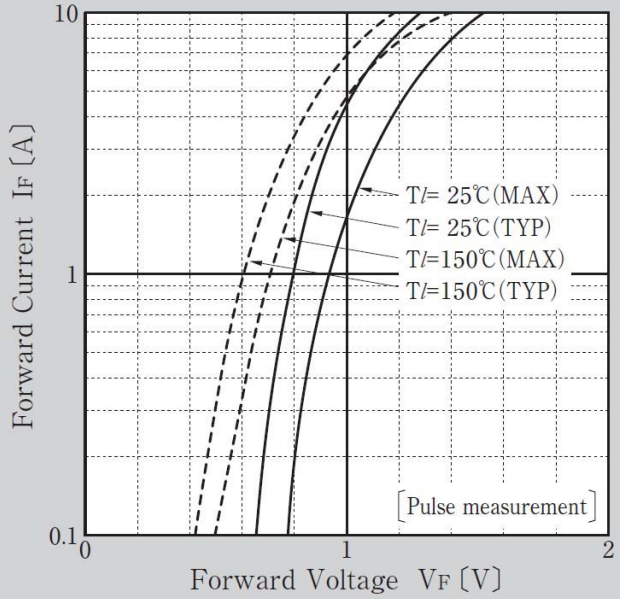
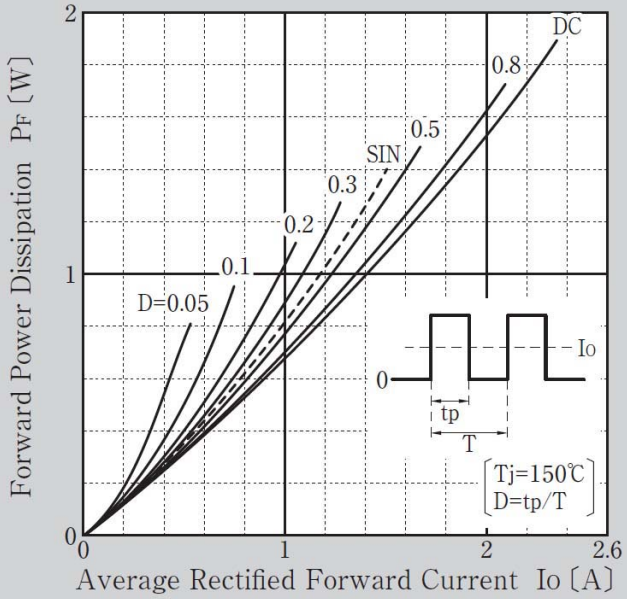
CHARACTERISTIC DIAGRAMS

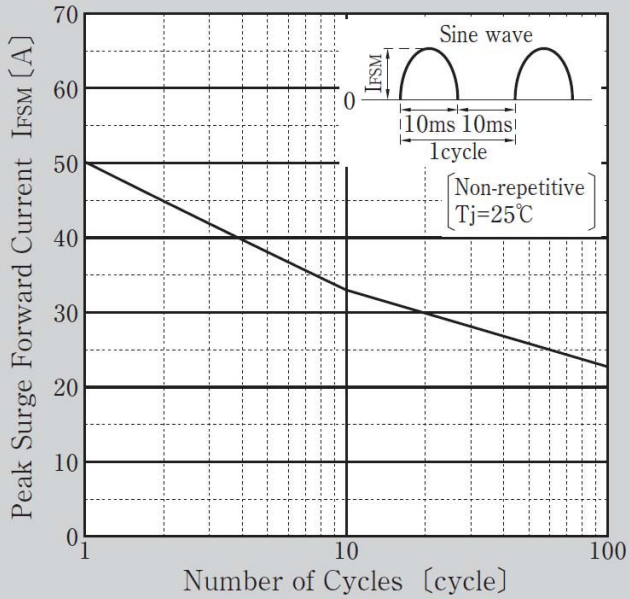
Forward Voltage



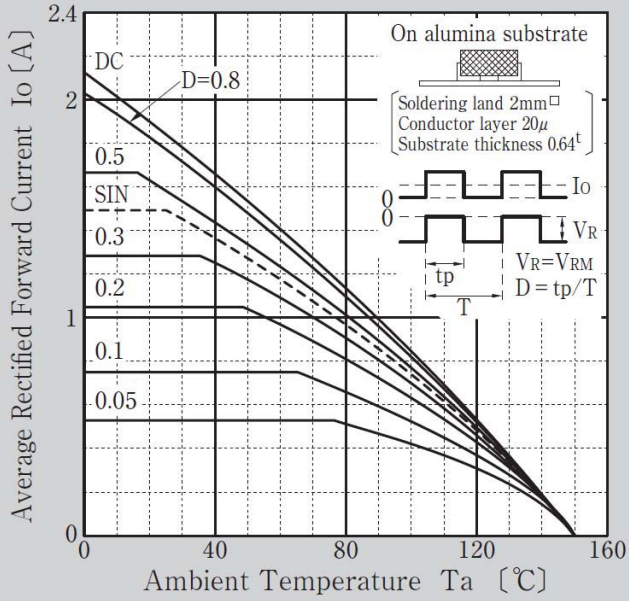
Forward Power Dissipation



Peak Surge Forward Current Capability



Derating Curve



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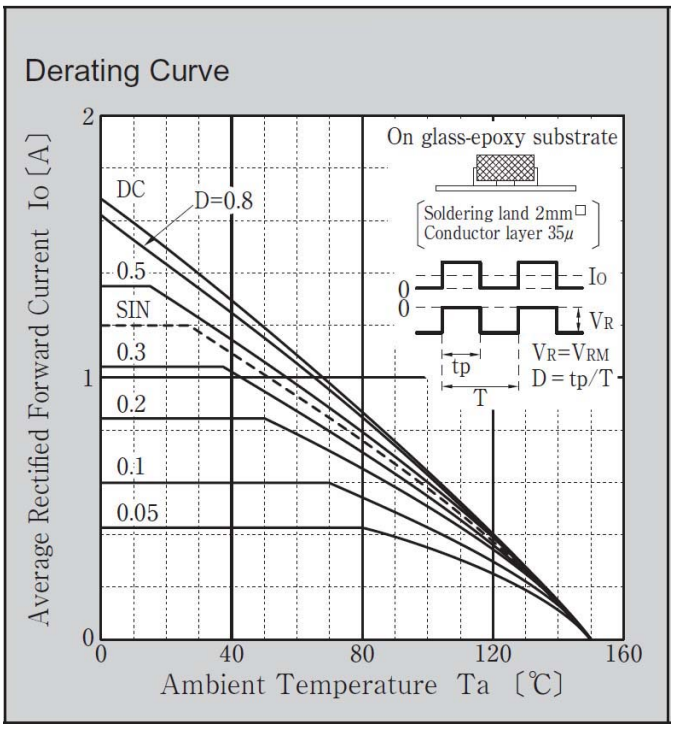
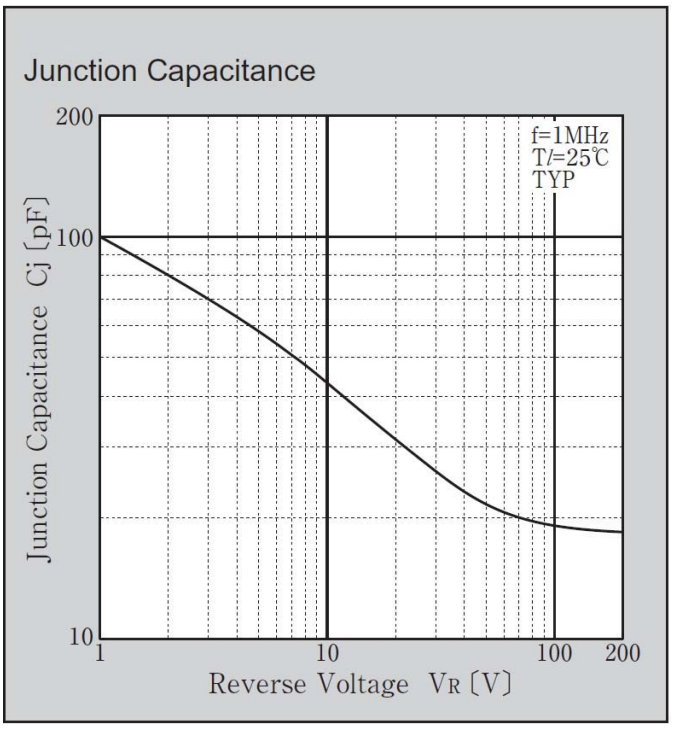
Derating Curve



Junction Capacitance



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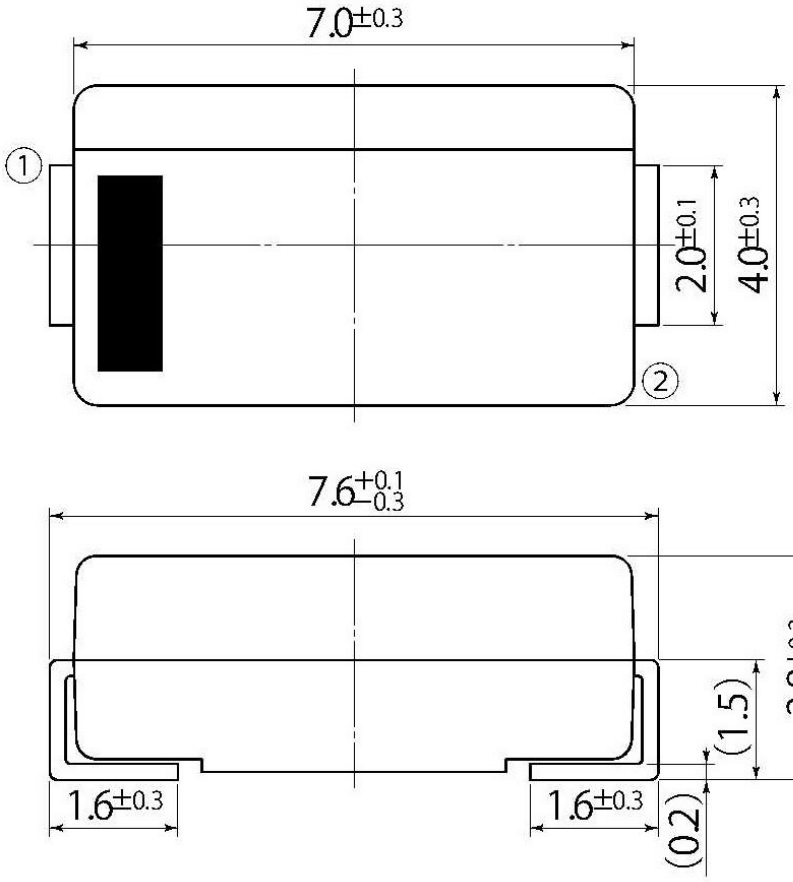
Outline Dimensions

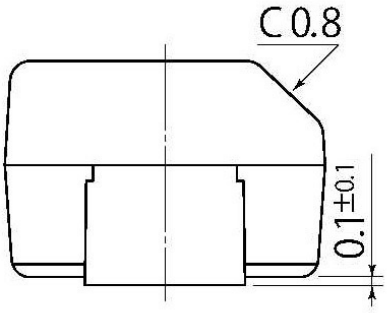
unit:mm

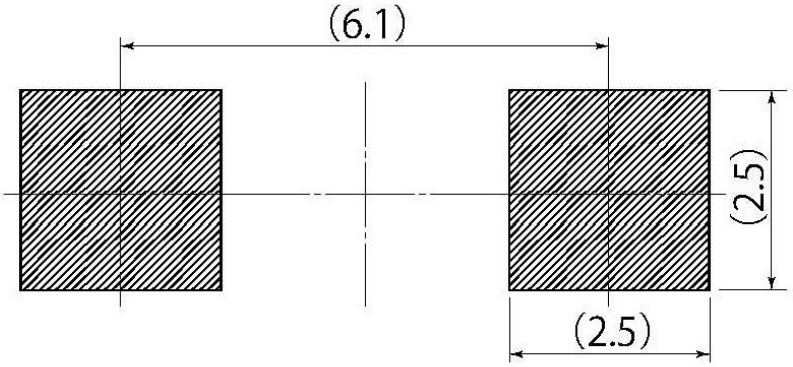
scale: 10/1

B9

JEDEC Code	–
JEITA Code	–
House Name	2F







Referential Soldering Pad

・Optimize soldering pad to the board design and soldering condi tion.

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Notes

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