ShinDengen

S1NBB80-7062

Bridge Diodes
800V, 1A

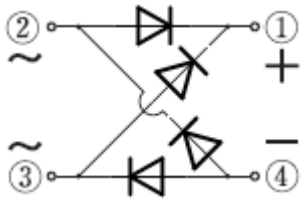
Feature

- Small SMD (There is also DIP)
- High I_{FSM}
- Pin-distance 3.4mm for isolation
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 1NA

Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : Ta=25℃)

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	℃
Junction temperature	Tj		150	℃
Repetitive peak reverse voltage	V_{RRM}		800	V
Average forward current	I_F(AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=26℃ ※	1	A
Average forward current	I_F(AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25℃ ※	0.84	A
Surge forward current	I_{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25℃	50	A
Current squared time	I^2t	1ms≦t＜10ms, Tj=25℃, per diode	6	A^2s

※ ：See the original Specifications

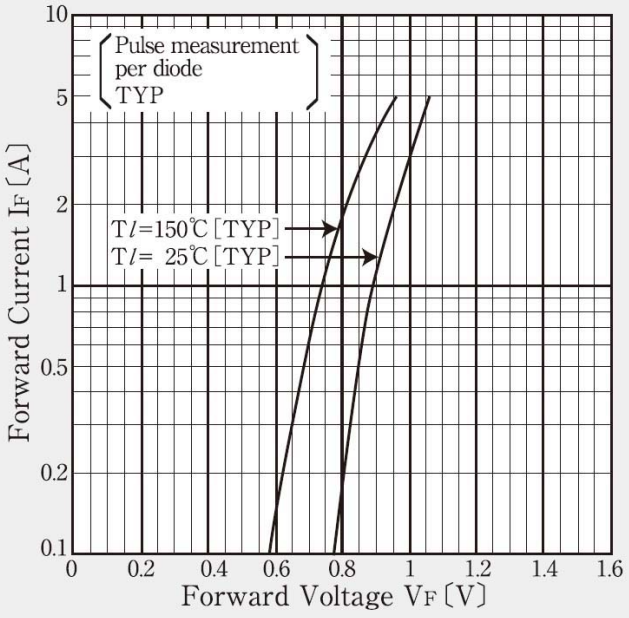
Electrical Characteristics (unless otherwise specified : Ta=25℃)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=0.5A, Pulse measurement, per diode			1.05	V
Reverse current	I_R	VR=800V, Pulse measurement, per diode			10	μA
Thermal resistance	Rth(j-l)	Junction to lead			15	℃/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate ※			68	℃/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate ※			84	℃/W

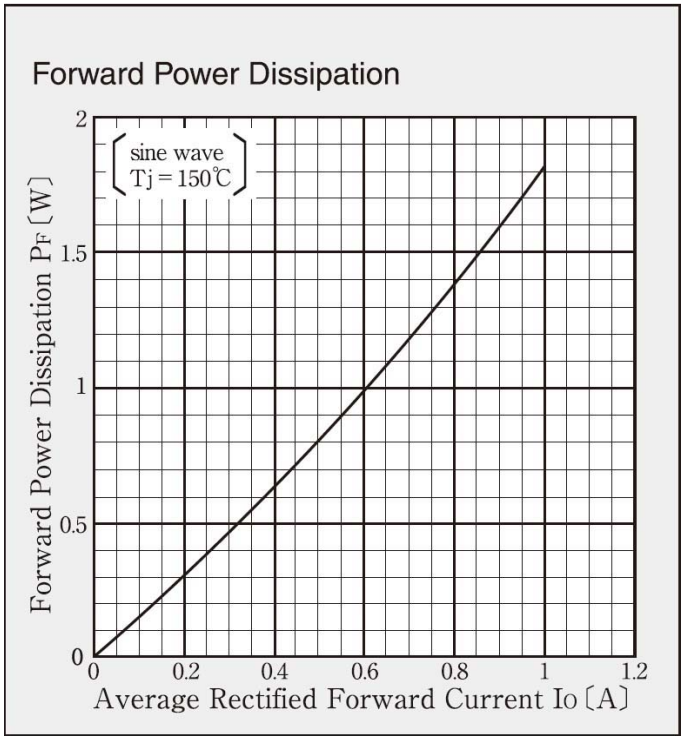
※ :See the original Specifications

CHARACTERISTIC DIAGRAMS

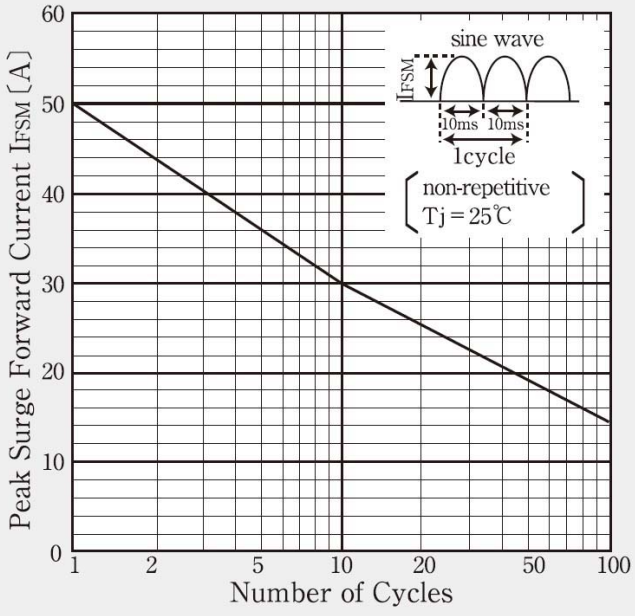
Forward Voltage



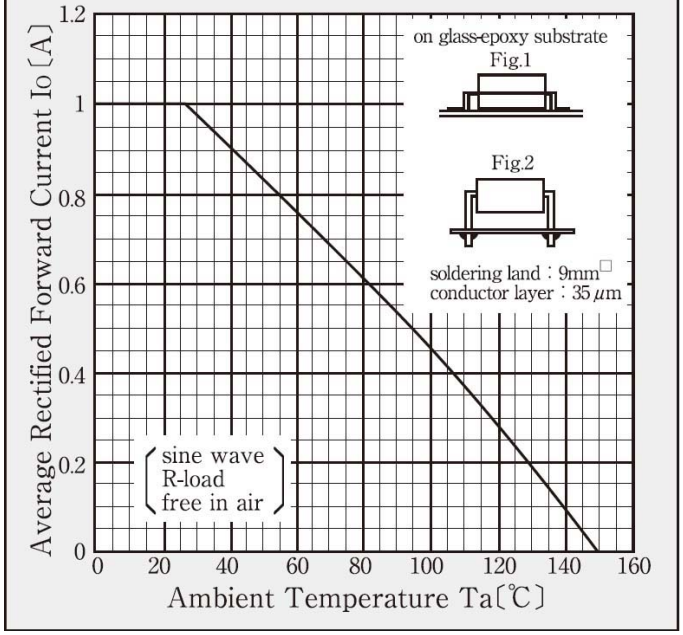
Forward Power Dissipation



Peak Surge Forward Current Capability



Derating Curve



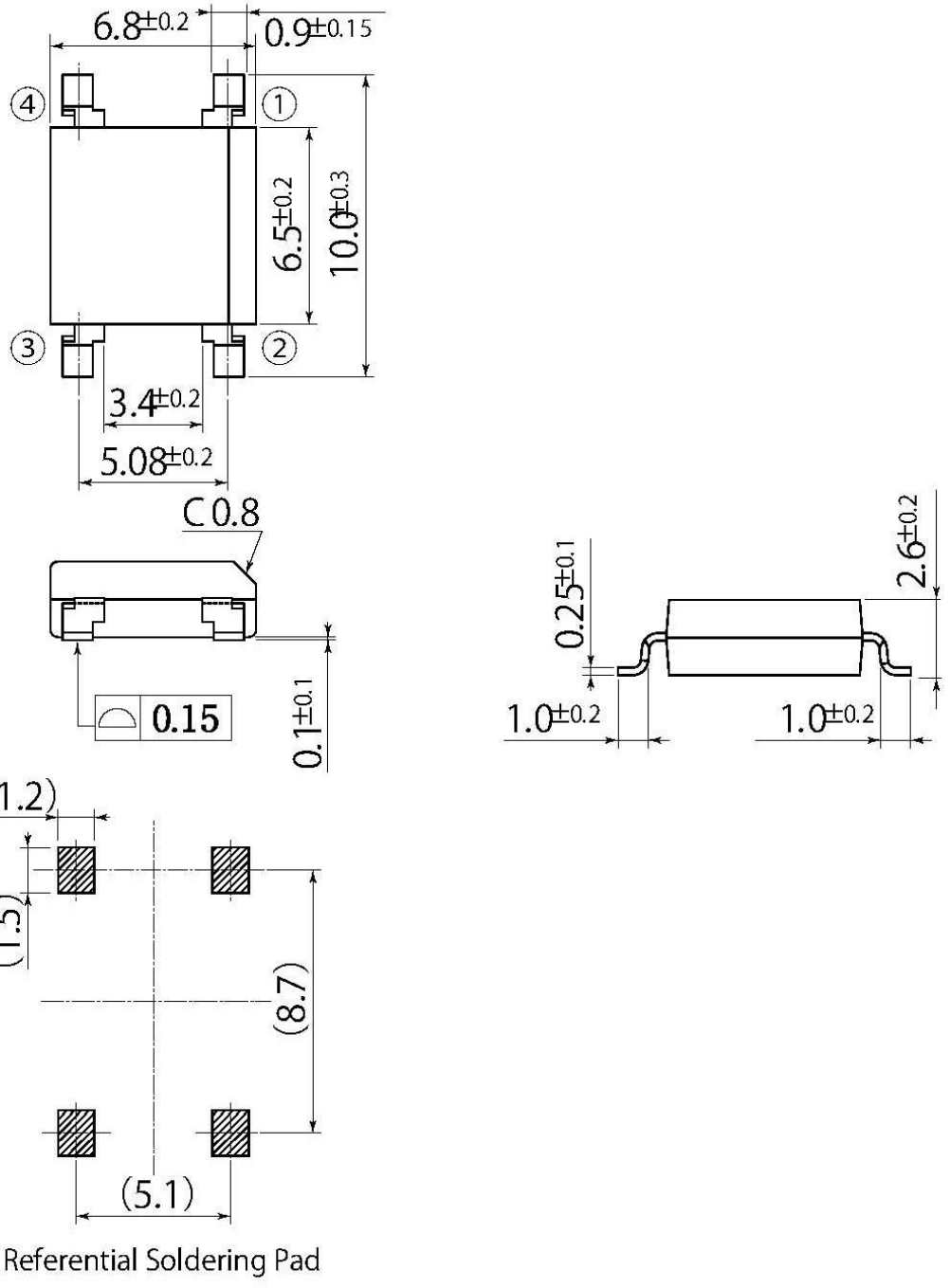
Outline Dimensions

unit:mm

scale: 4/1

C6

JEDEC Code	–
JEITA Code	–
House Name	1NA(SMD)



Referential Soldering Pad

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

Notes

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