

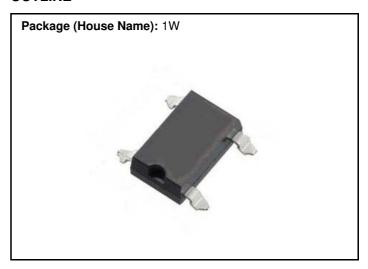
S2WB(A)80-7062

Bridge Diodes 800V, 2.0A

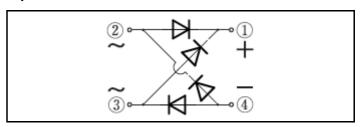
Feature

- Small SMD (There is also DIP)
- High I_{FSM}
- High Reliability
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	°C
Junction temperature	Tj		-40 to 150	°C
Repetitive peak reverse voltage	V_{RRM}		800	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Tl=112°C *	2	А
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C *	1	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C 50		А
Surge forward current	I _{FSM1}	tp=1ms, sine wave, Non-repetitive, peak value, per diode, Tj=25°C	178	А
Current squared time	l²t	1ms≦tp<10ms, Tj=25°C, per diode	16	A ² s

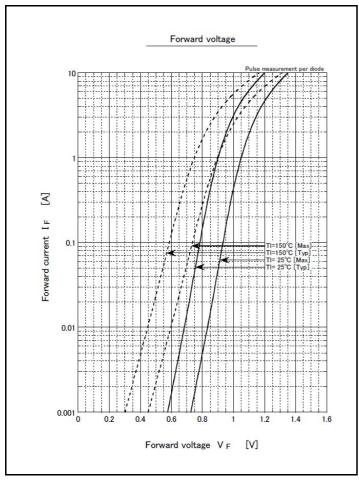
^{* :} See the original Specifications

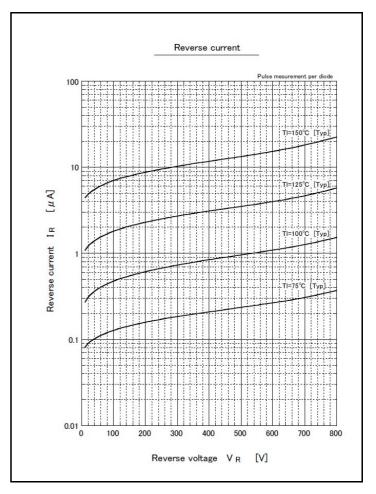
Electrical Characteristics (unless otherwise specified : TI=25°C)

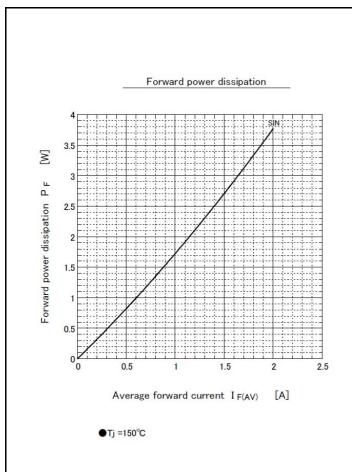
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V _F	IF=1A, Pulse measurement, per diode			1.05	V
Reverse current	I _R	VR=800V, Pulse measurement, per diode			10	μΑ
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate *			10	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate *			65	°C/W

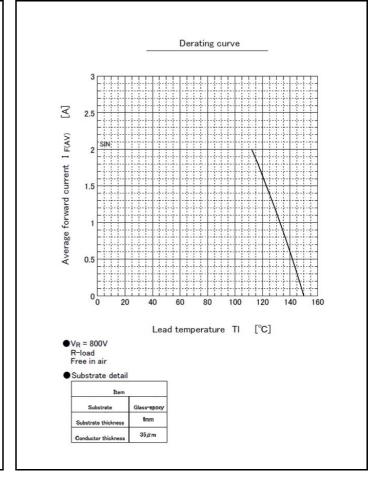
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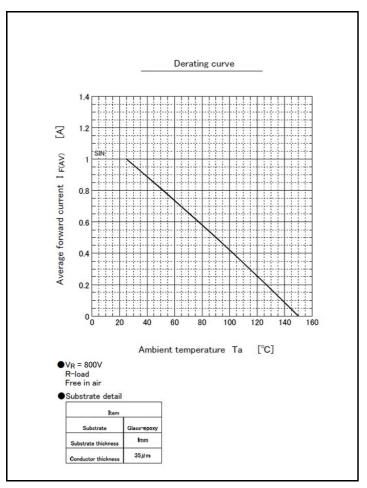
CHARACTERISTIC DIAGRAMS

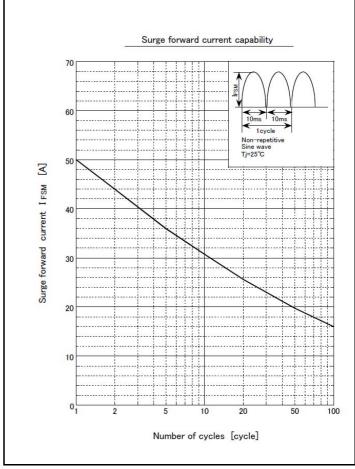


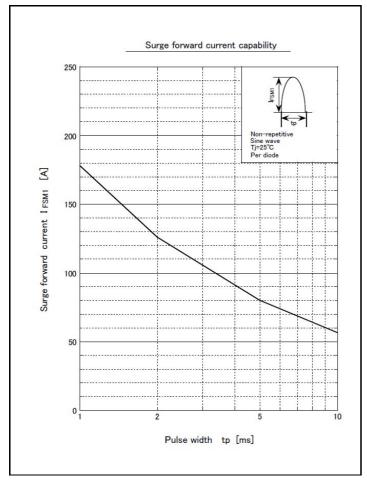


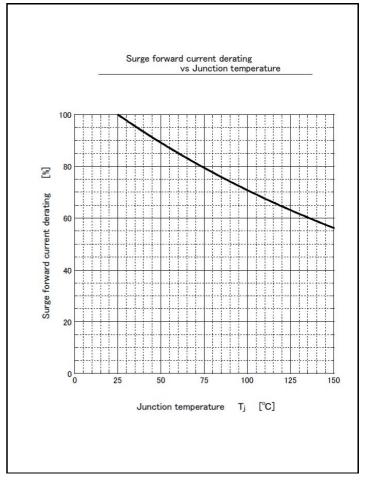


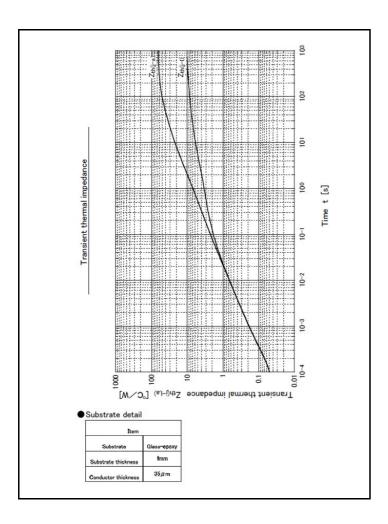








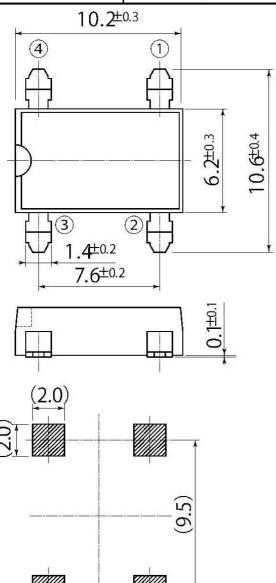


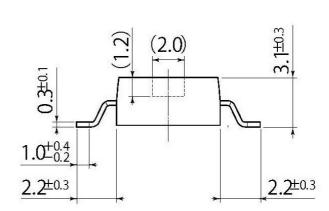


scale: 4/1

C8

JEDEC Code	-	
JEITA Code	-	
House Name	1W(SMD)	





Referential Soldering Pad

(7.6)

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

Notes

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(Special applications)

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