

S1ZB80-7072

Bridge Diodes 800V, 0.8A

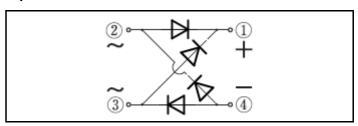
Feature

- Small SMD (There is also DIP)
- 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		150	°C
Repetitive peak reverse voltage	V_{RRM}		800	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On alumina substrate, Ta=25°C *	0.8	Α
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C *	0.5	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	30	Α
Current squared time	ľt	1ms≦t<10ms, Tj=25°C, per diode	4.5	A ² s

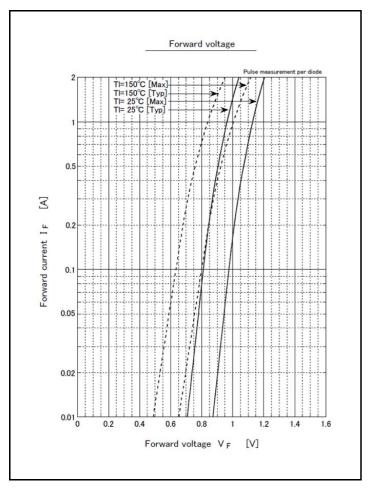
st :See the original Specifications

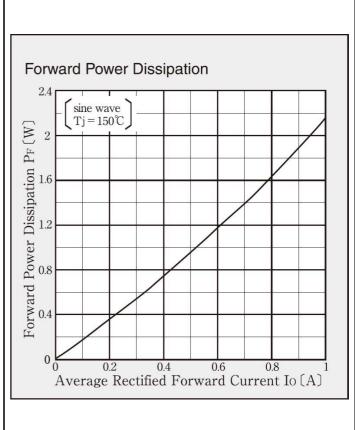
Electrical Characteristics (unless otherwise specified : TI=25°C)

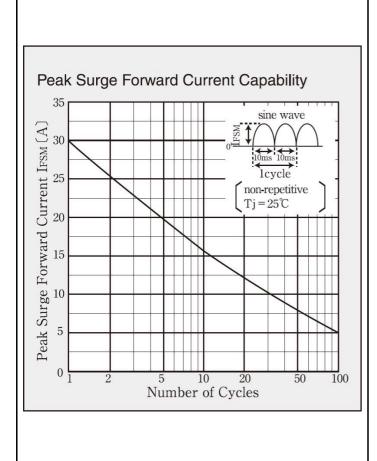
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_{F}	IF=0.4A, Pulse measurement, per diode			1.05	V
Reverse current	I _R	VR=800V, Pulse measurement, per diode			10	μΑ
Thermal resistance	Rth(j-l)	Junction to lead			20	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On alumina substrate			76	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate			134	°C/W

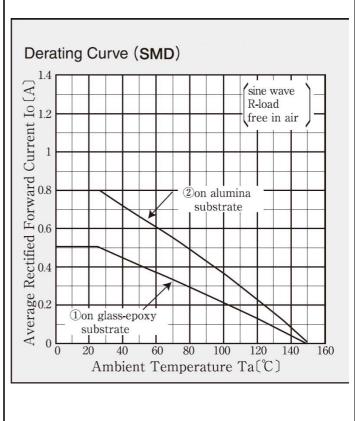
^{*} :See the original Specifications

CHARACTERISTIC DIAGRAMS









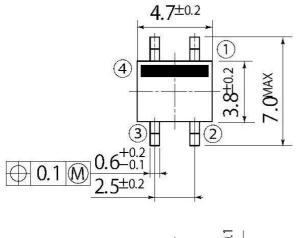
	1)	2
soldering land	1mm□	$1 \mathrm{mm}^\square$
conductor layer	35 µ m	$20\mu\mathrm{m}$
substrate thickness		0.64 t

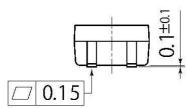
unit:mm

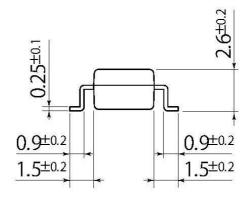
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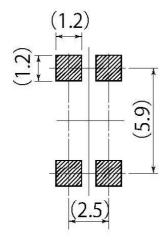
C2

JEDEC Code	TO-269AA	
JEITA Code	-	
House Name	1Z(SMD)	









Referential Soldering Pad

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

Notes

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(Special applications)

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