

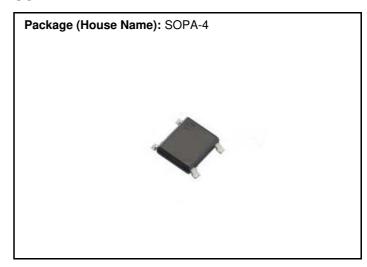
D1UBA80

Bridge Diodes 800V, 1.0A

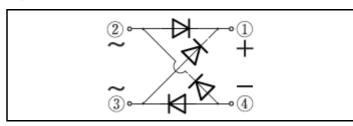
Feature

- SMD
- 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		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		800	٧
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, TI=100°C	1	Α
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On alumina substrate, Ta=25°C *	1	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	30	Α
Current squared time	l²t	1ms≦tp<10ms, Tj=25°C, per diode	3	A ² s

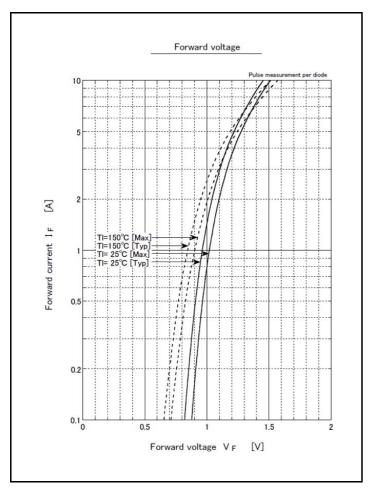
^{* :} See the original Specifications

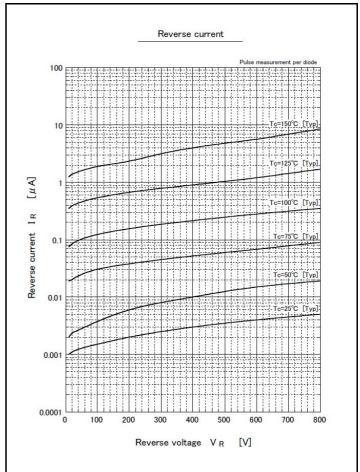
Electrical Characteristics (unless otherwise specified : TI=25°C)

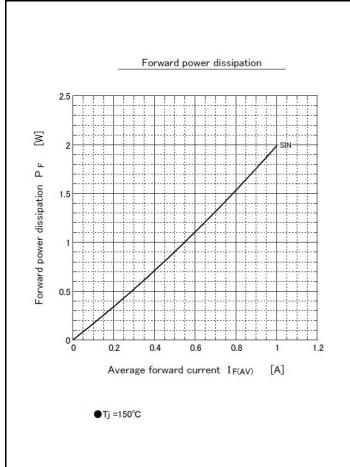
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	O
Forward voltage	V _F	IF=0.4A, Pulse measurement, per diode			0.95	V
Reverse current	I _R	VR=800V, Pulse measurement, per diode			10	μΑ
Thermal resistance	Rth(j-l)	Junction to lead			25	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On alumina substrate *			62.5	°C/W

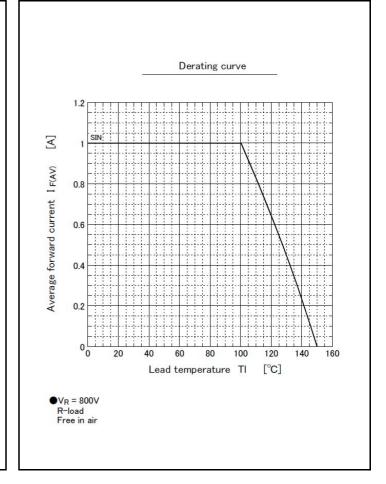
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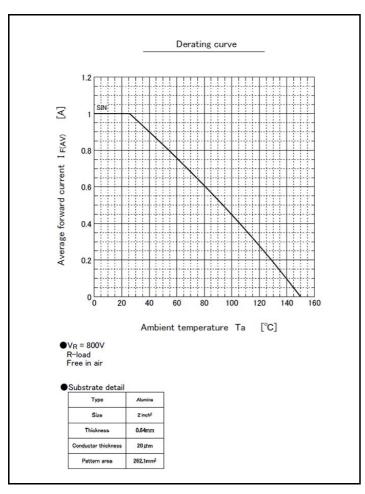
CHARACTERISTIC DIAGRAMS

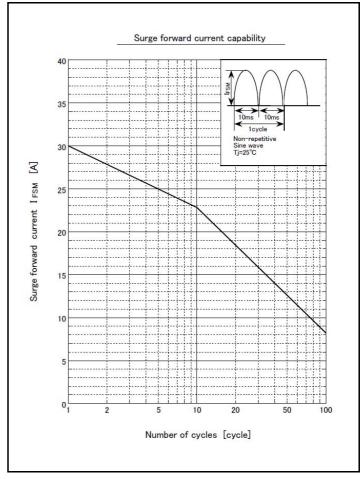


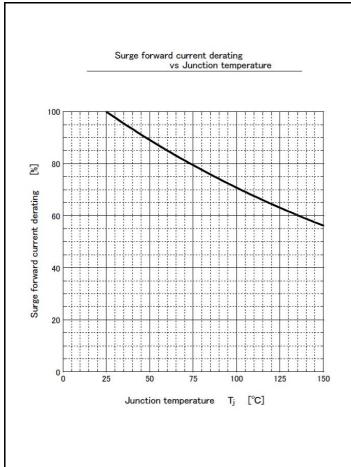


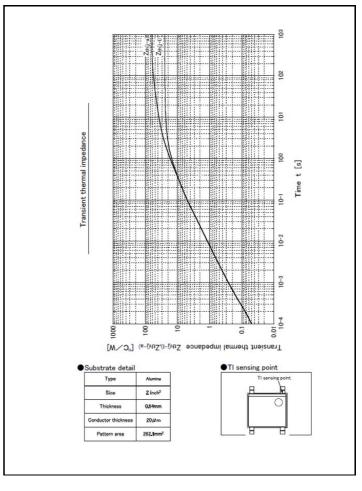




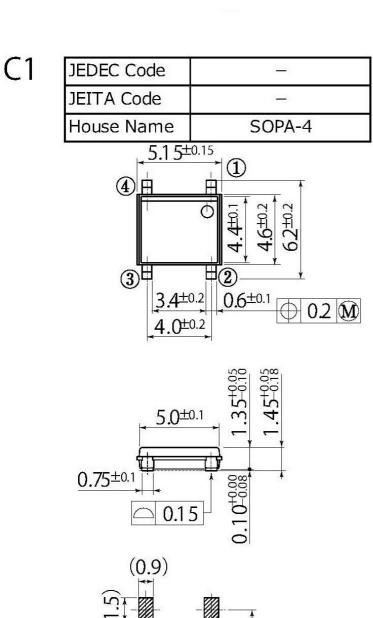


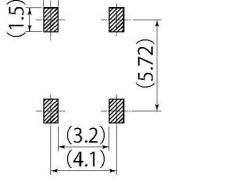




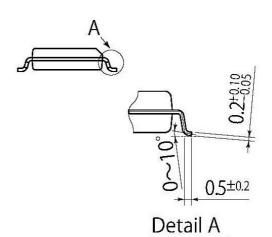


scale: 4/1





Referential Soldering Pad



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

Notes

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