

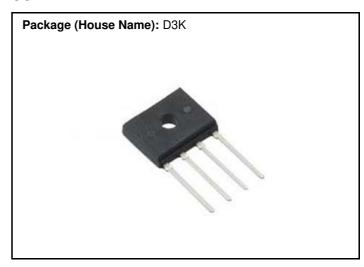
UD8KBA80

Bridge Diodes 800V, 8A

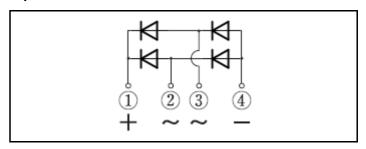
Feature

- Compact SIP
- UL E142422
- · Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : Tc=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}		800	V
Average forward current	I _F (AV)	60Hz sine wave, Resistance load, With heatsink, Tc=126°C	8	А
Average forward current	I _F (AV)	60Hz sine wave, Resistance load, Without heatsink, Ta=25°C	1.4	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	165	А
Surge forward current	I _{FSM1}	tp=3ms, Tj=25°C, Non-repetitive	270	Α
Current squared time	l²t	3ms≦t<8.3ms, Tj=25°C	110	A ² s
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N∙m

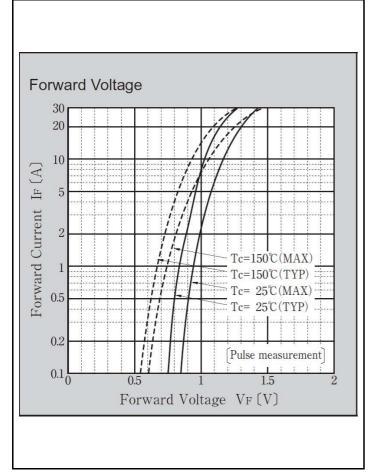
st :See the original Specifications

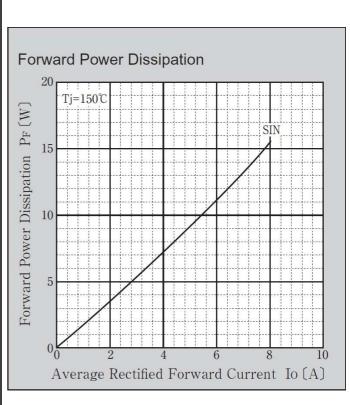
Electrical Characteristics (unless otherwise specified : Tc=25°C)

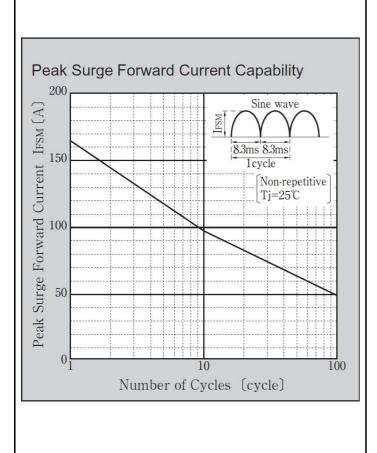
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_{F}	IF=4A, Pulse measurement, per diode			1.05	V
Reverse current	I _R	VR=800V, Pulse measurement, per diode			10	μΑ
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			1.5	°C/W
Thermal resistance	Rth(j-l)	Junction to lead, Without heatsink			15	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, Without heatsink			55	°C/W

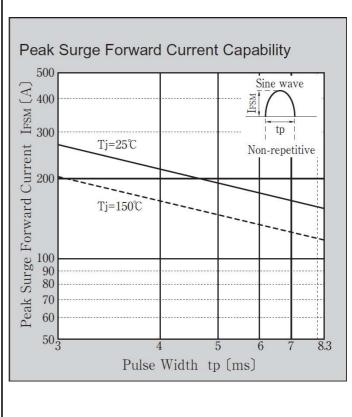
^{*} :See the original Specifications

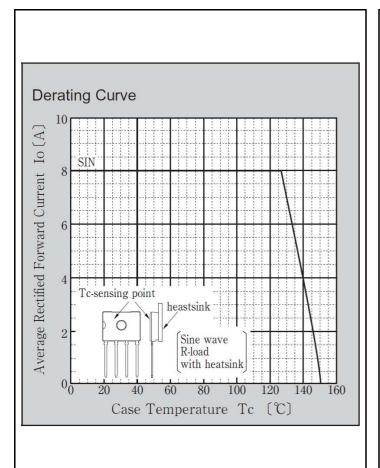
CHARACTERISTIC DIAGRAMS

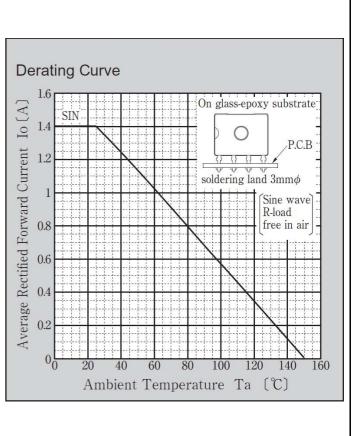










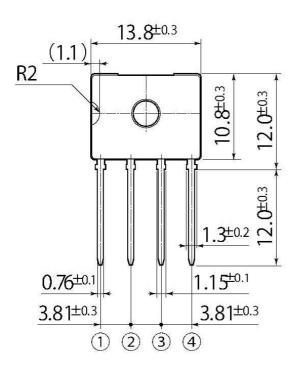


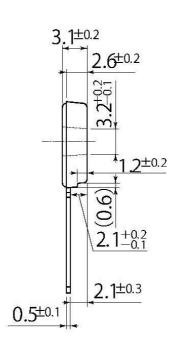
unit:mm

scale: 2/1

D1

JEDEC Code	I
JEITA Code	1
House Name	D3K





Notes

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