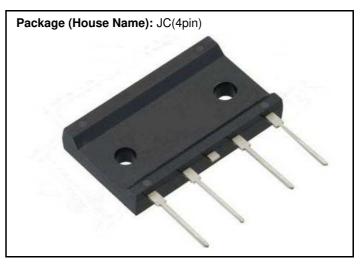
D50JCB80V

Bridge Diodes 800V, 50A

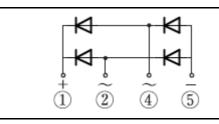
Feature

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

OUTLINE



Equivalent circuit



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

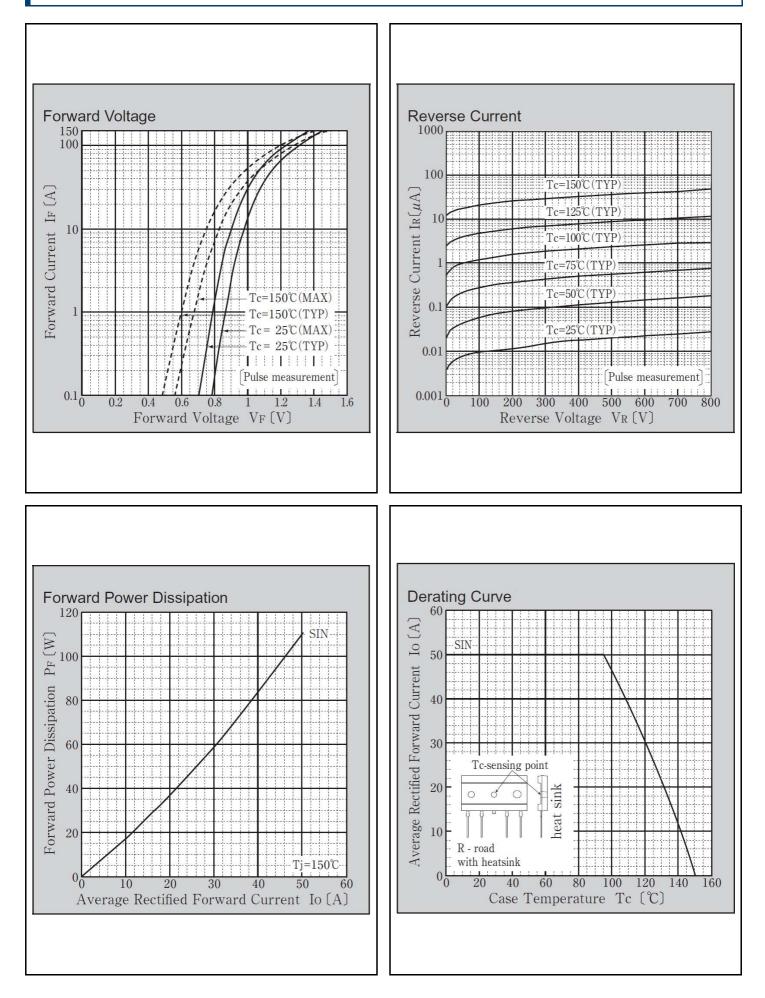
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V _{RRM}		800	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=94°C	50	A
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Without heatsink, Ta=25°C	4.6	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	600	A
Surge forward current	I _{FSM1}	tp=1ms, Tj=25°C, Non-repetitive	1897	А
Current squared time	ľt	1ms≦t<10ms, per diode	1800	A ² s
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 1.2N·m)	1.5	N∙m

* : See the original Specifications

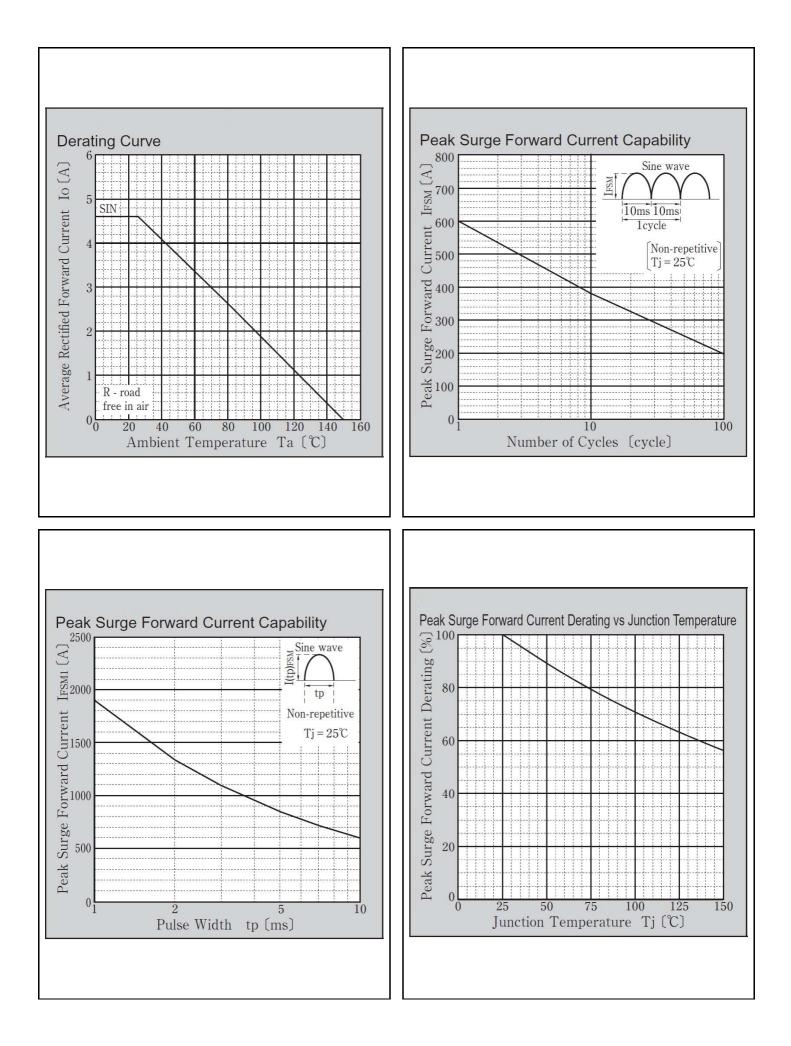
Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	onit
Forward voltage	V _F	IF=25A, Pulse measurement			1.05	V
Reverse current	I _R	VR=800V, Pulse measurement			10	μA
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			0.5	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient			16	°C/W

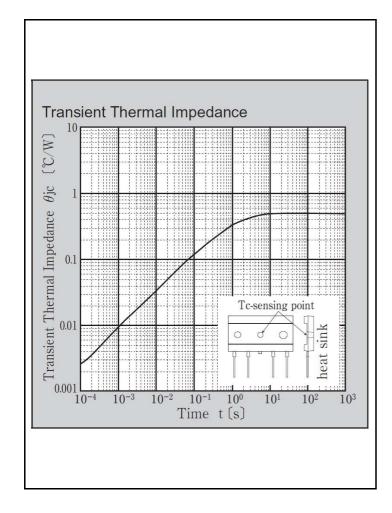
* : See the original Specifications

CHARACTERISTIC DIAGRAMS



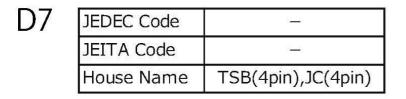
3/7

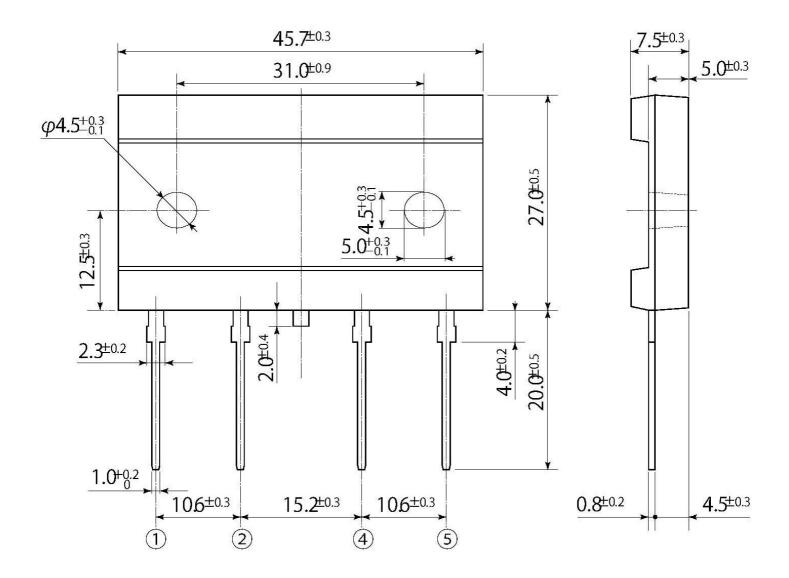




unit:mm

scale: 2/1





Notes

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[Special applications]

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[Specific applications]

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