

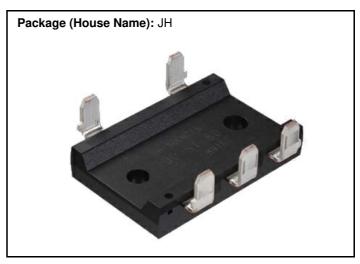
D100JHT160V

Bridge Diodes 1600V, 100A

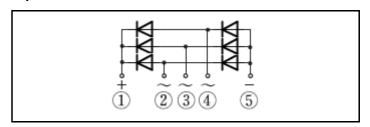
Feature

- DIP
- High Current
- 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		-55 to 150	°C	
Repetitive peak reverse voltage	V_{RRM}		1600	V	
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=92°C	100	А	
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C *	6.3	А	
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, per diode, Tj=25°C	580	А	
Surge forward current	I _{FSM1}	tp=1ms, sine wave, Non-repetitive, peak value, per diode, Tj=25°C	1833	А	
Current squared time	l²t	1ms≦t<10ms, per diode	1681	A ² s	
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2.5	kV	
Mounting torque	TOR	(Recommended torque : 1.2N·m)	1.5	N∙m	

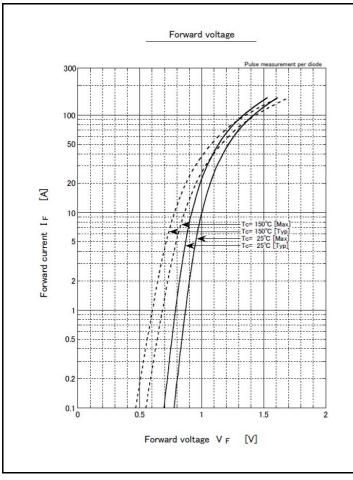
^{* :} See the original Specifications

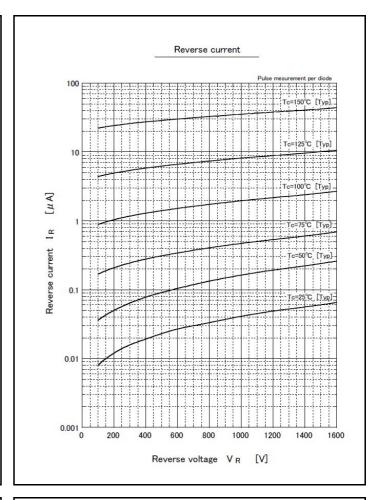
Electrical Characteristics (unless otherwise specified : Tc=25°C)

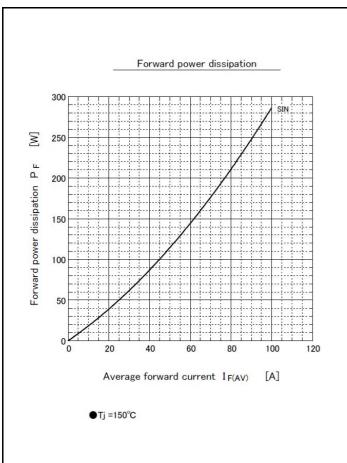
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Oime
Forward voltage	V _F	IF=35A, Pulse measurement, per diode			1.15	V
Reverse current	I _R	VR=1600V, Pulse measurement, per diode			10	μΑ
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			0.2	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, Without heatsink *			11	°C/W

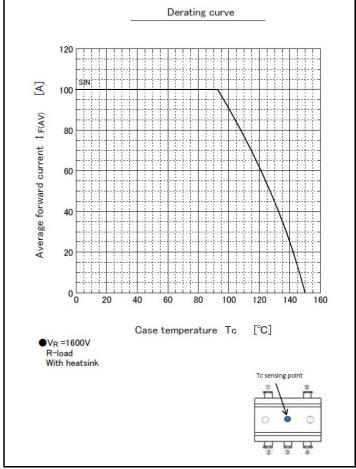
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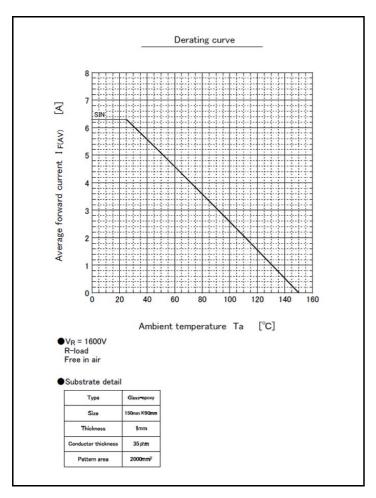
CHARACTERISTIC DIAGRAMS

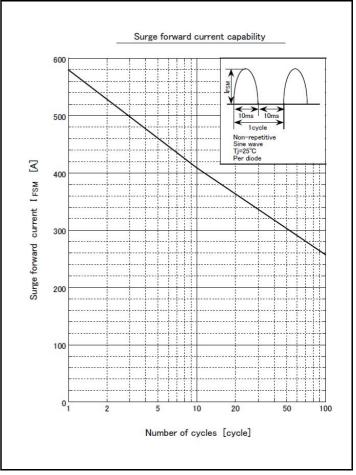


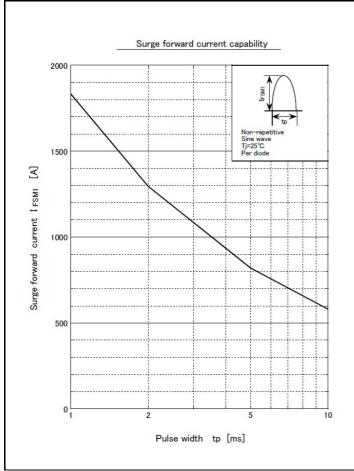


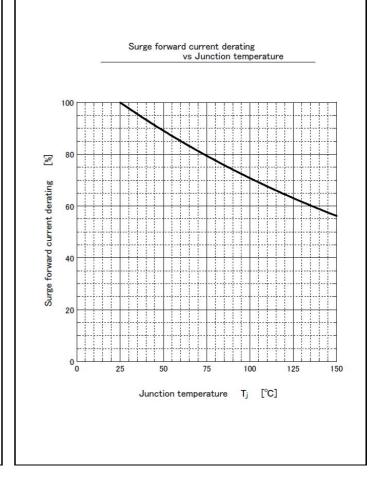


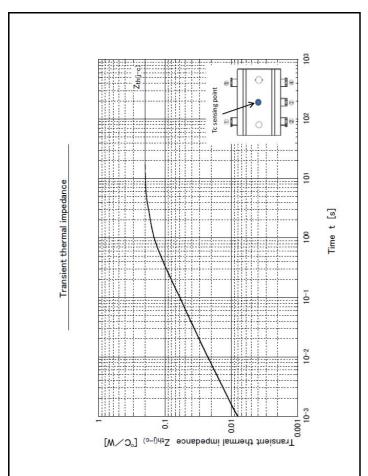


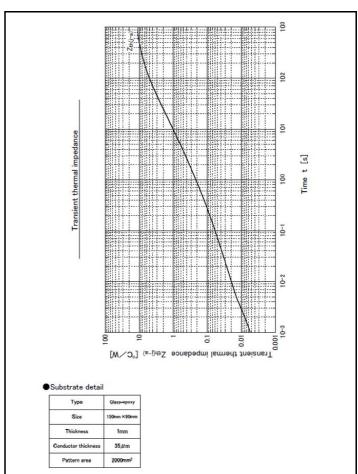






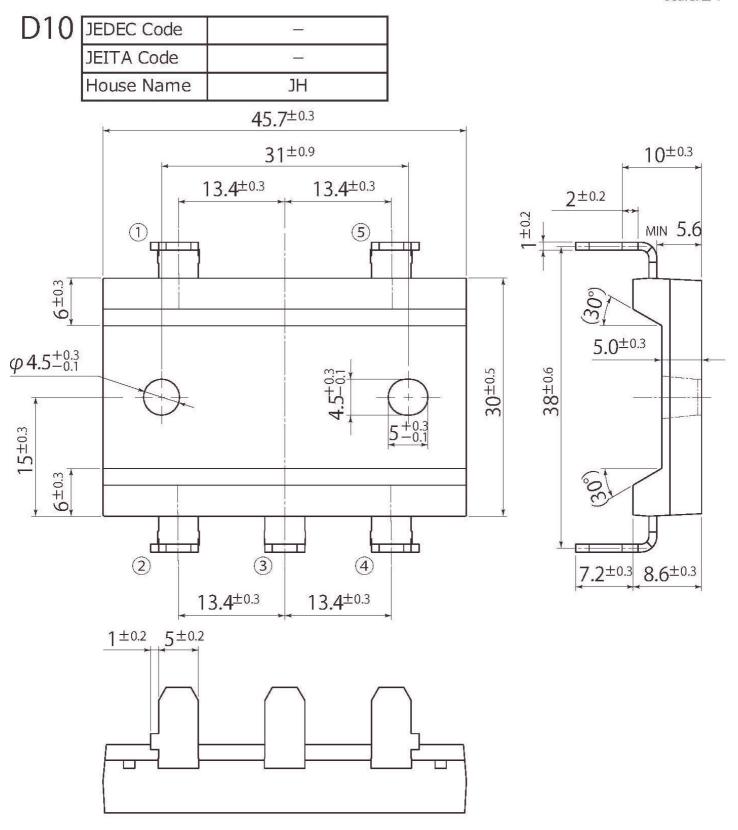






unit:mm

scale: 2/1



Notes

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