

D15JAB80V

Bridge Diodes
800V, 15A

Feature

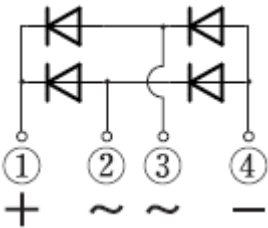
- Low Height
- UL E142422
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): JA



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	VRRM		800	V
Average forward current	IF(AV)	50Hz sine wave, Resistance load, With heatsink, Tc=110°C	15	A
Average forward current	IF(AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C ※	2.4	A
Surge forward current	IFSM	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	200	A
Surge forward current	IFSM1	tp=1ms, sine wave, Non-repetitive, peak value, per diode, Tj=25°C	510	A
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2.5	kV
Mounting torque	TOR	(Recommended torque : 0.5N・m)	0.8	N・m

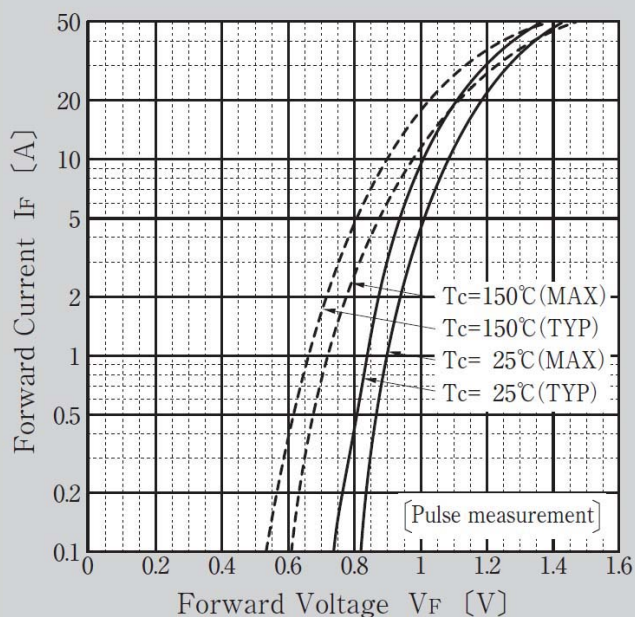
※ :See the original Specifications

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

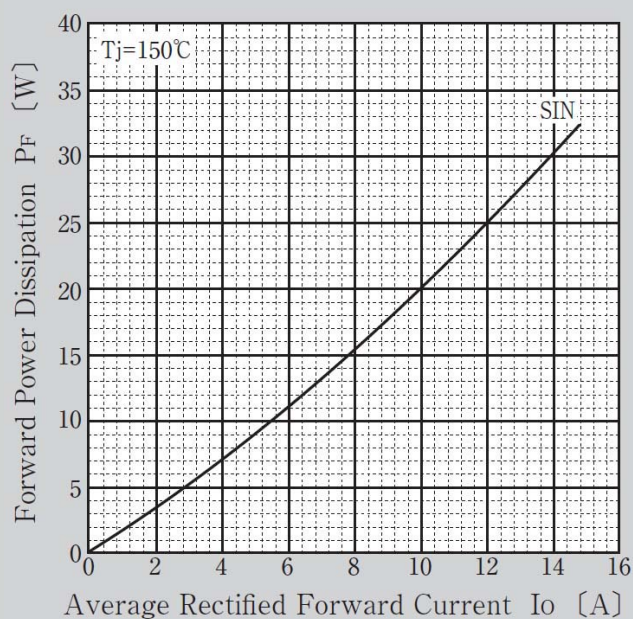
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	$I_F=7.5A$, Pulse measurement, per diode			1.05	V
Reverse current	I_R	$V_R=800V$, Pulse measurement, per diode			10	μA
Thermal resistance	$R_{th(j-c)}$	Junction to case, With heatsink			1.2	$^{\circ}C/W$
Thermal resistance	$R_{th(j-l)}$	Junction to lead, On glass-epoxy substrate ※			5	$^{\circ}C/W$
Thermal resistance	$R_{th(j-a)}$	Junction to ambient, On glass-epoxy substrate ※			30	$^{\circ}C/W$

※ :See the original Specifications

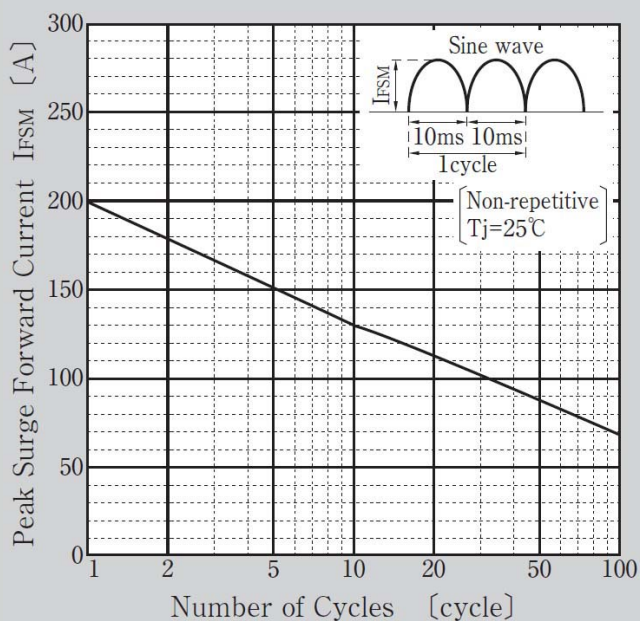
Forward Voltage



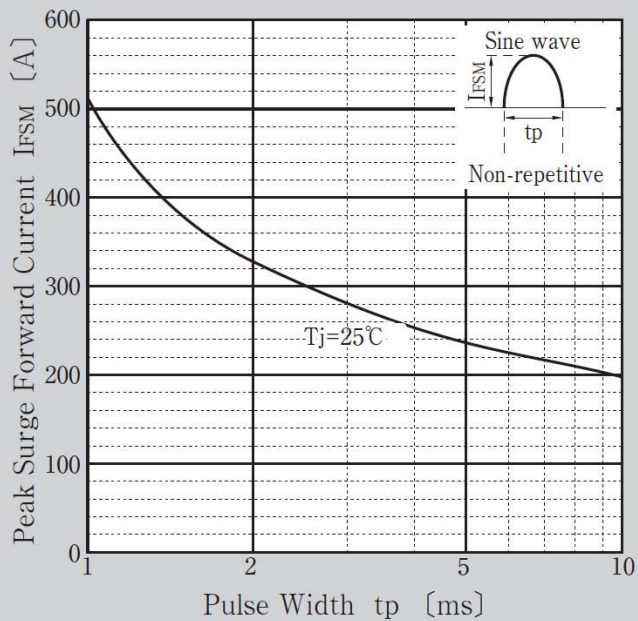
Forward Power Dissipation



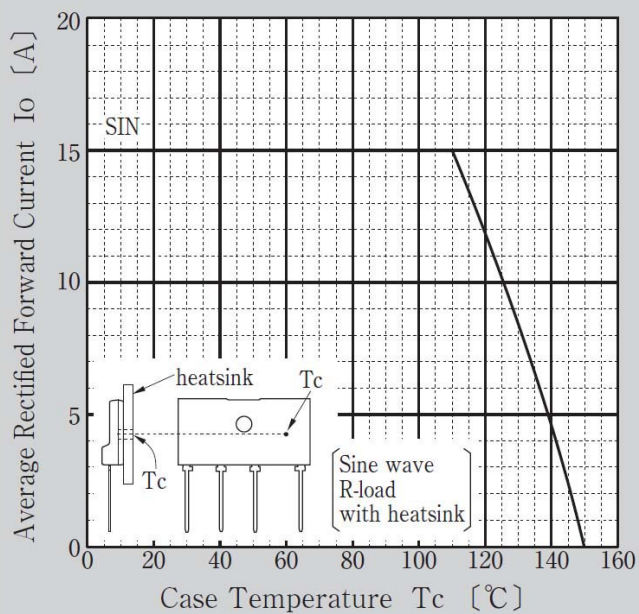
Peak Surge Forward Current Capability



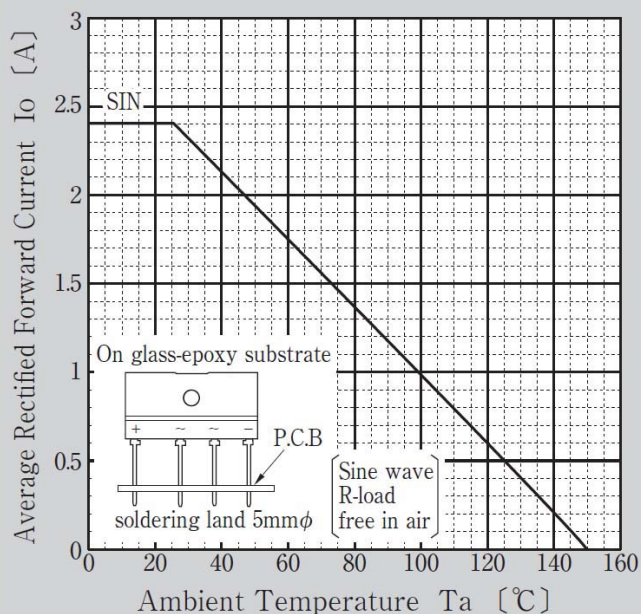
Peak Surge Forward Current Capability



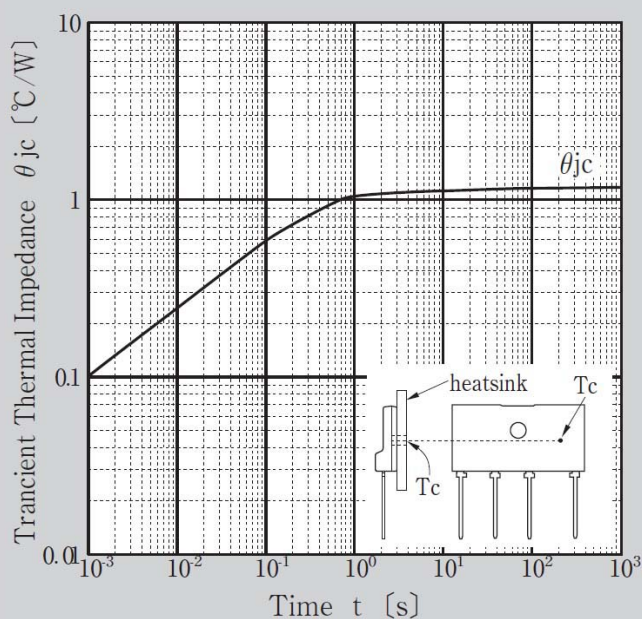
Derating Curve



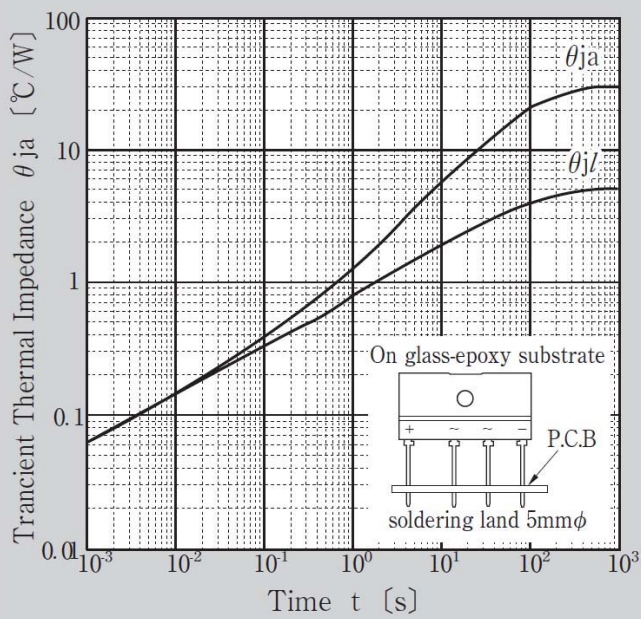
Derating Curve



Transient Thermal Impedance



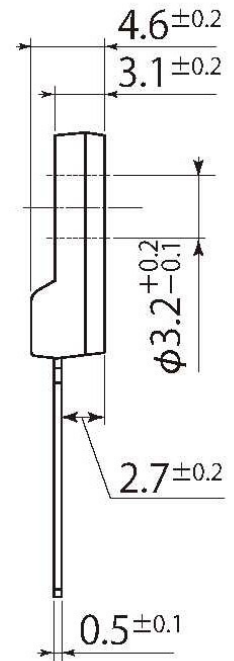
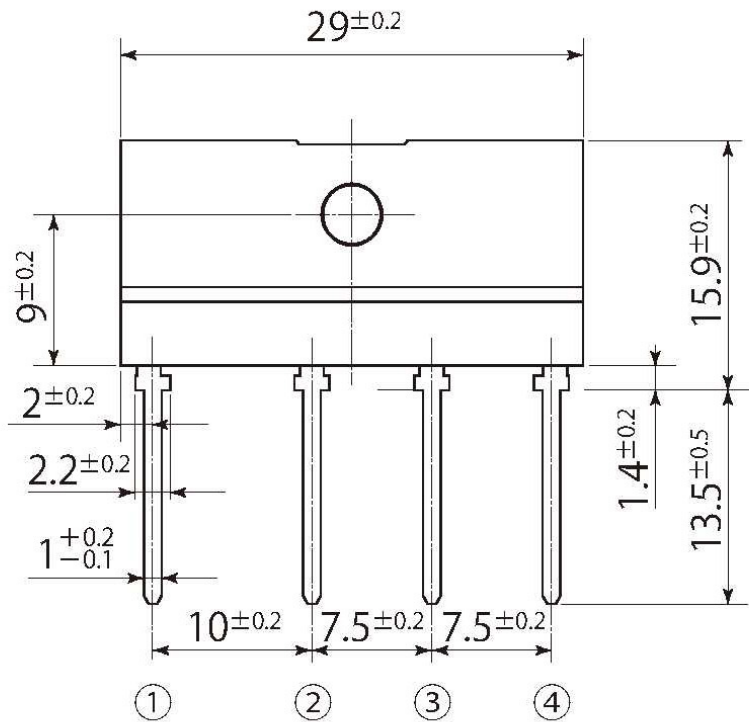
Transient Thermal Impedance



unit:mm

D6

JEDEC Code	—
JEITA Code	—
House Name	JA



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