D1N80 General Rectifying Diodes 800V, 1.0A

Feature

- High Voltage
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

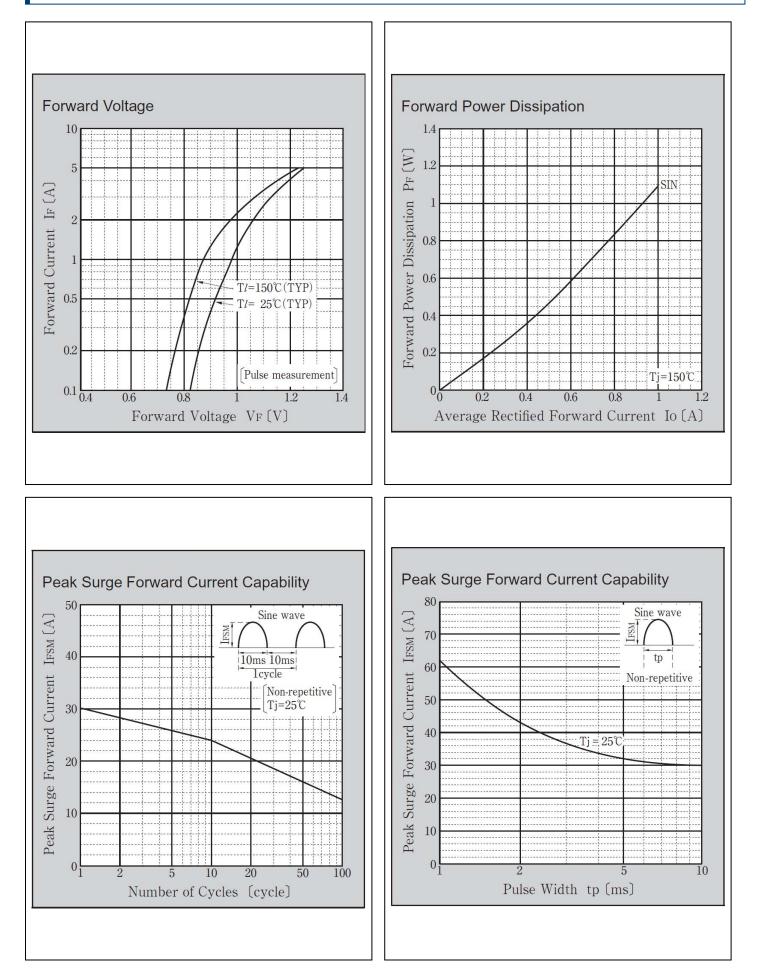
ltem	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		800	v
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Tl=138°C ※	1	A
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C ※	1	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	30	A
Surge forward current	I _{FSM1}	tp=1ms, sine wave, Non-repetitive, peak value, Tj=25℃	e wave, Non-repetitive, peak value, 62	

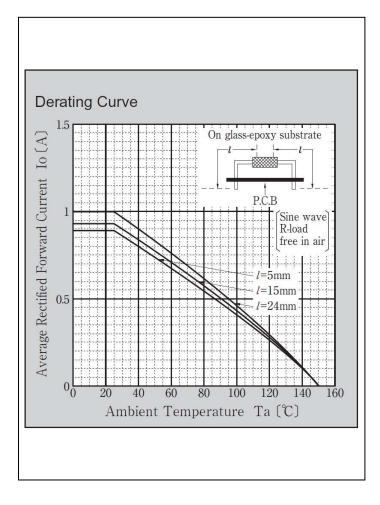
 $\, \ensuremath{\overset{\scriptstyle <}{_{\scriptstyle \sim}}}\,$: See the original Specifications

Electrical Characteristics (unless otherwise specified : Tl=25°C)									
Item	Cumhal	Conditions	Ratings						
	Symbol		MIN	ТҮР	MAX	Unit			
Forward voltage	V _F	IF=1A, Pulse measurement			1.05	V			
Reverse current	I _R	VR=800V, Pulse measurement			10	μA			
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate ※			10	°C/W			
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate ※			113	°C/W			

* : See the original Specifications

CHARACTERISTIC DIAGRAMS

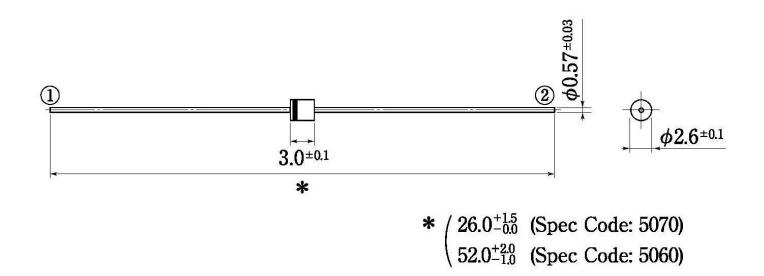




unit:mm

scale: 2/1

A1	JEDEC Code	-		
	JEITA Code	-		
	House Name	AX057		



Notes

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Transportation equipment (vehicles, ships, etc.), trunk-line communication equipment, traffic signal control systems, antidisaster/crime systems, safety equipment, medical equipment, etc.

[Specific applications]

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