

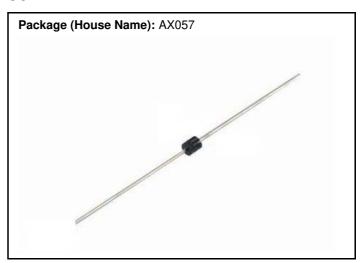
D1NL20U

Fast Recovery Diodes 200V, 1A

Feature

- · High Recovery Speed
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : TI=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}		200	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C	1	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	25	Α

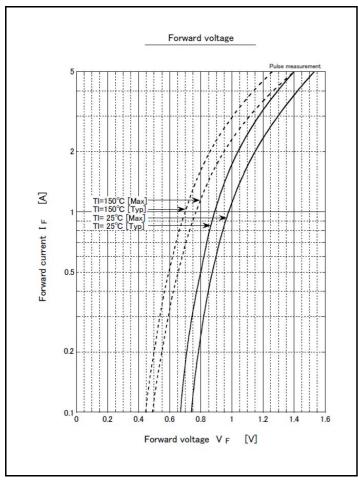
^{* :}See the original Specifications

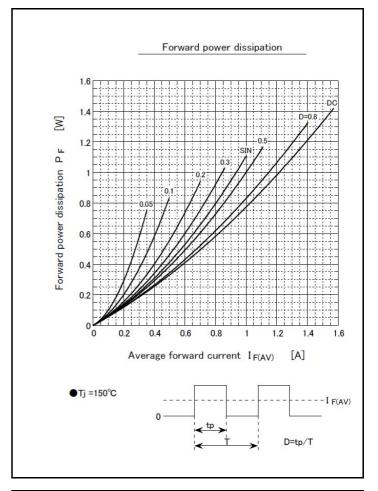
Electrical Characteristics (unless otherwise specified : TI=25°C)

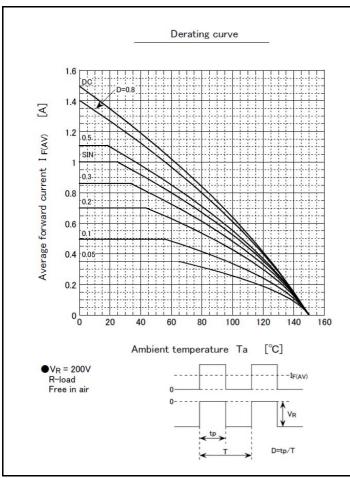
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Onne
Forward voltage	V_{F}	IF=1A, Pulse measurement			0.98	V
Reverse current	I _R	VR=200V, Pulse measurement			10	μΑ
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.1IR			35	ns
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate			10	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate			113	°C/W

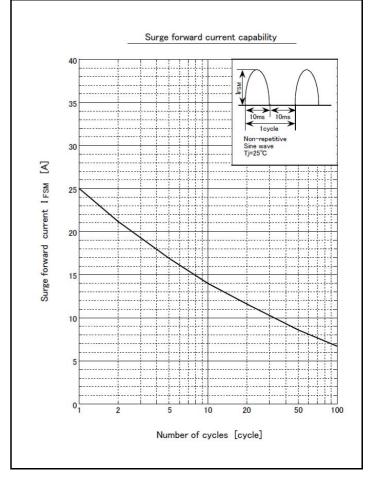
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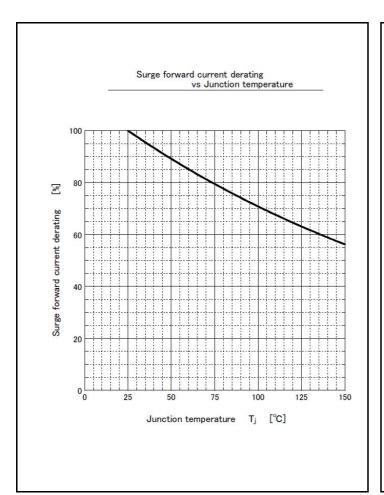
CHARACTERISTIC DIAGRAMS

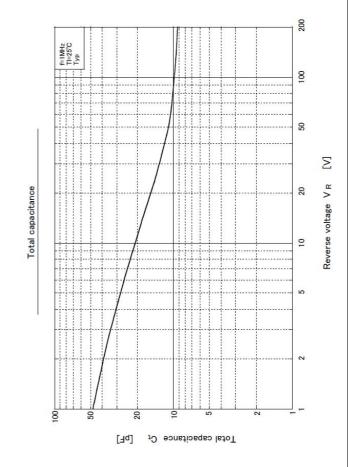










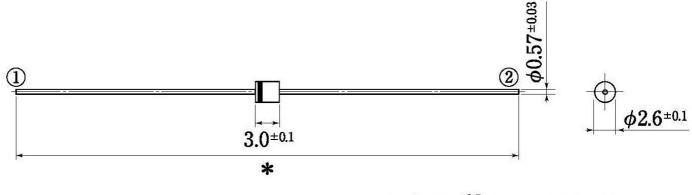


unit:mm

scale: 2/1

A1

JEDEC Code	_		
JEITA Code	_		
House Name	AX057		



* $\left(\begin{array}{c} 26.0^{+1.5}_{-0.0} \text{ (Spec Code: 5070)} \\ 52.0^{+2.0}_{-1.0} \text{ (Spec Code: 5060)} \end{array}\right)$

Notes

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[Special applications]

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(Specific applications)

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