

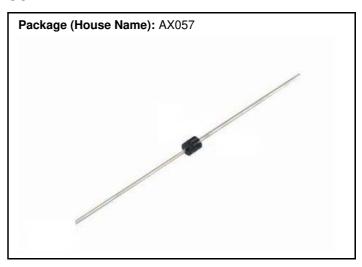
D1NK60

Fast Recovery Diodes 600V, 0.8A

Feature

- High Voltage
- Low Noise
- · 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}		600	٧
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Tl=139°C *	0.8	Α
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=26°C *	0.8	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	35	А

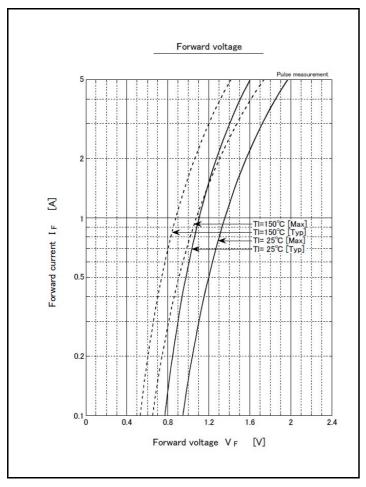
^{* :}See the original Specifications

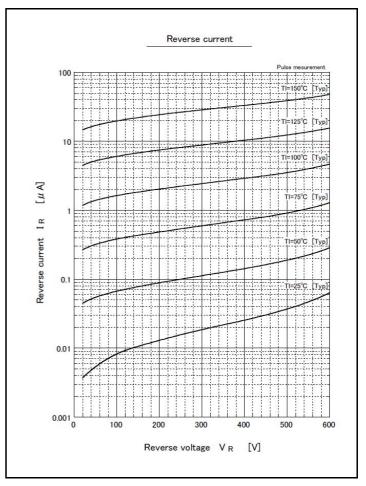
Electrical Characteristics (unless otherwise specified : TI=25°C)

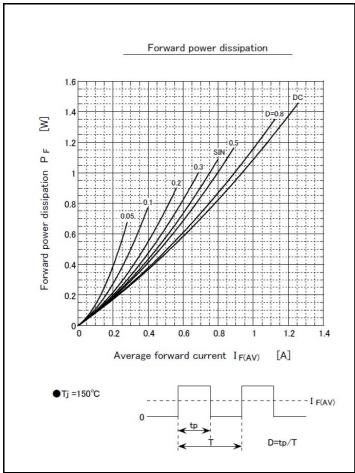
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	O.I.I.
Forward voltage	V _F	IF=0.8A, Pulse measurement			1.3	V
Reverse current	I _R	VR=600V, Pulse measurement			10	μΑ
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.25IR			75	ns
Total capacitance	Ct	f=1MHz, VR=10V		8		pF
Thermal resistance	Rth(j-l)	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

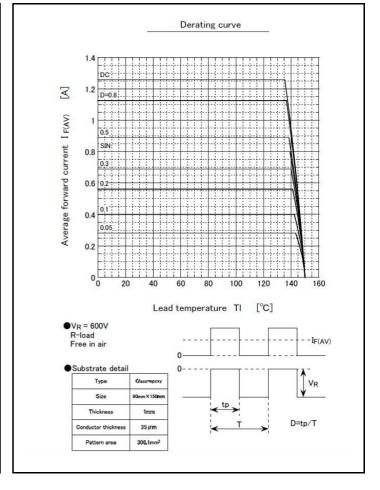
^{*} :See the original Specifications

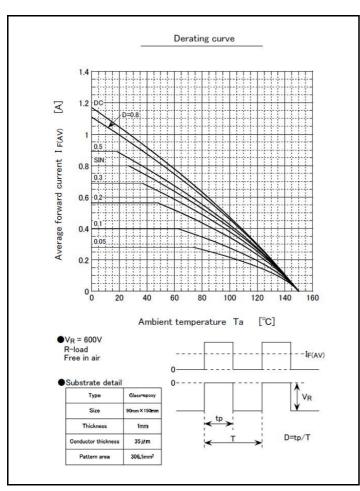
CHARACTERISTIC DIAGRAMS

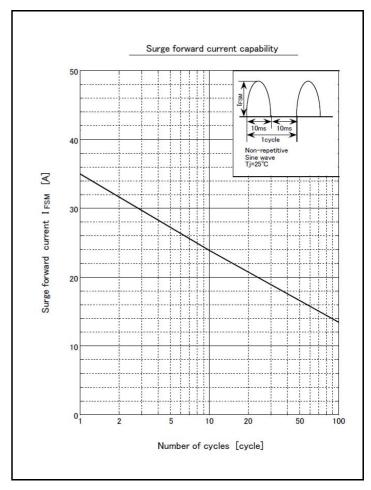


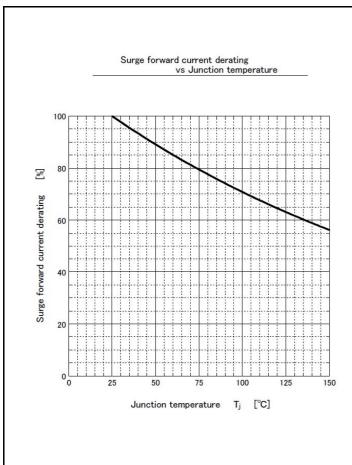


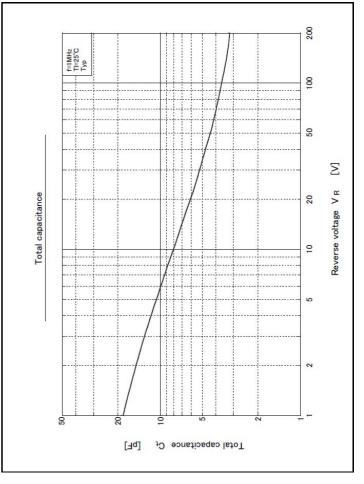


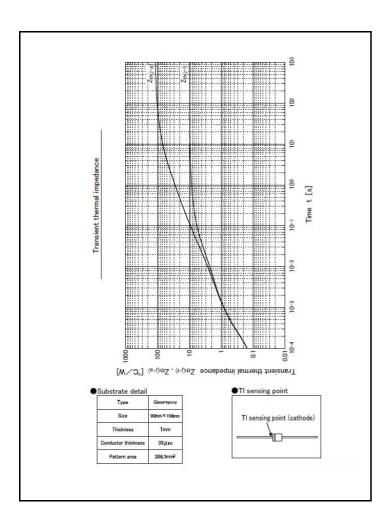










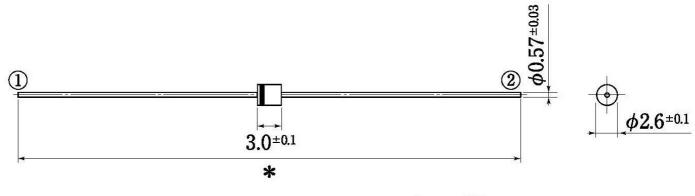


unit:mm

scale: 2/1

A1

JEDEC Code	_	
JEITA Code	_	
House Name	AX057	



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

Notes

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(Special applications)

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

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