D1N60

General Rectifying Diodes
600V, 1.0A

Feature

- High Voltage
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): AX057



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	T_{stg}		-55 to 150	°C
Junction temperature	T_j		-55 to 150	°C
Repetitive peak reverse voltage	V_{RRM}		600	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
Current squared time	I^2t	1ms≦tp＜10ms, Tj=25°C	4.5	A^2s

※ ：See the original Specifications

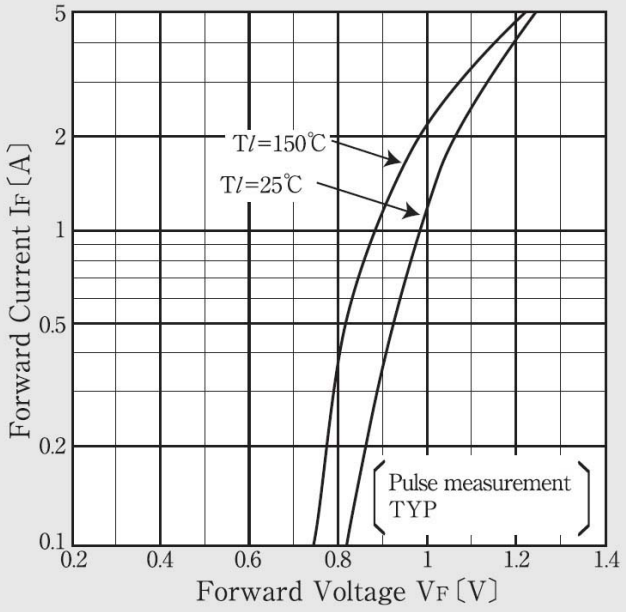
Electrical Characteristics (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF＝1A, Pulse measurement			1.05	V
Reverse current	I_R	VR=600V, Pulse measurement			10	μA
Thermal resistance	$R_{th(j-l)}$	Junction to lead, On glass-epoxy substrate ※			10	°C/W
Thermal resistance	$R_{th(j-a)}$	Junction to ambient, On glass-epoxy substrate ※			113	°C/W

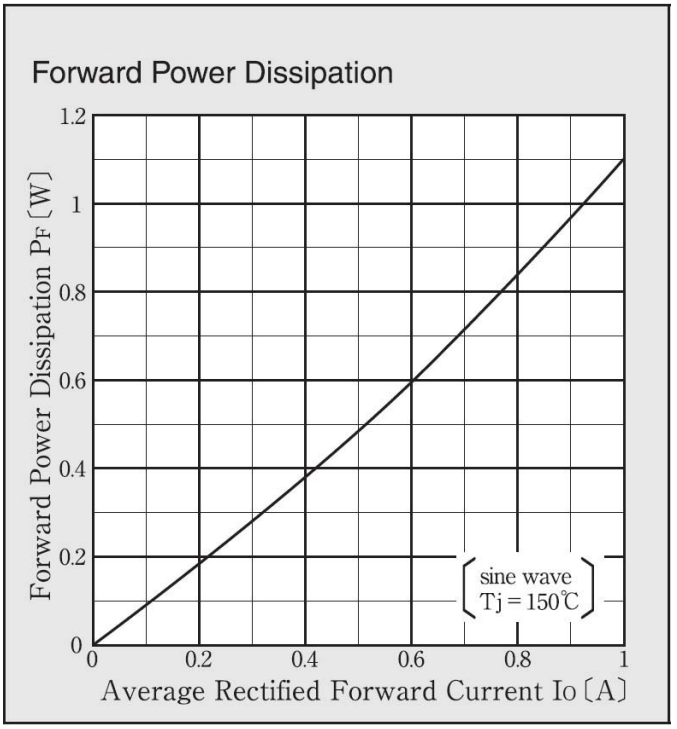
※ ：See the original Specifications

CHARACTERISTIC DIAGRAMS

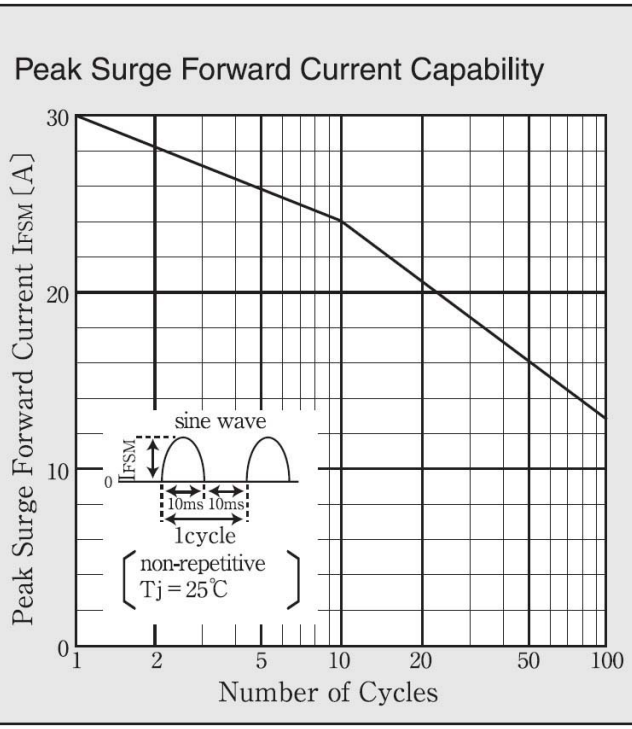
Forward Voltage



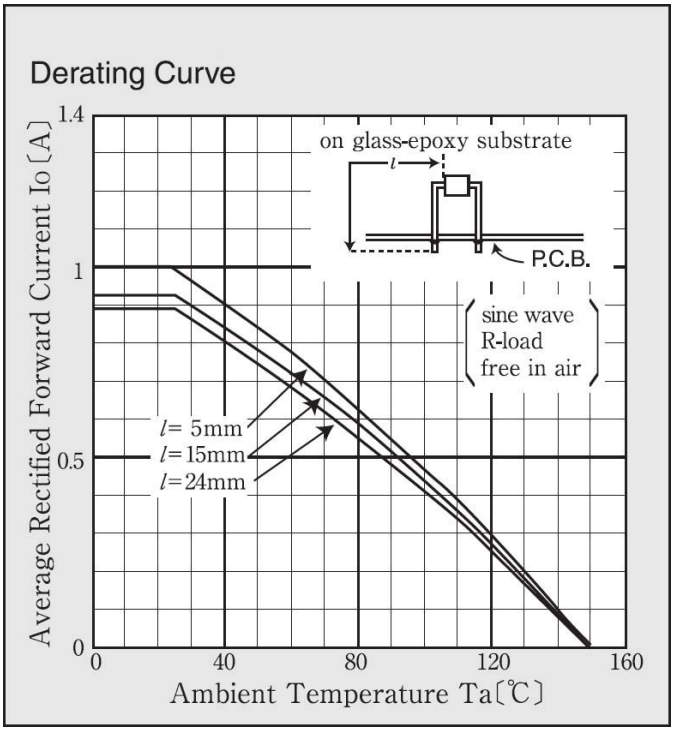
Forward Power Dissipation



Peak Surge Forward Current Capability



Derating Curve

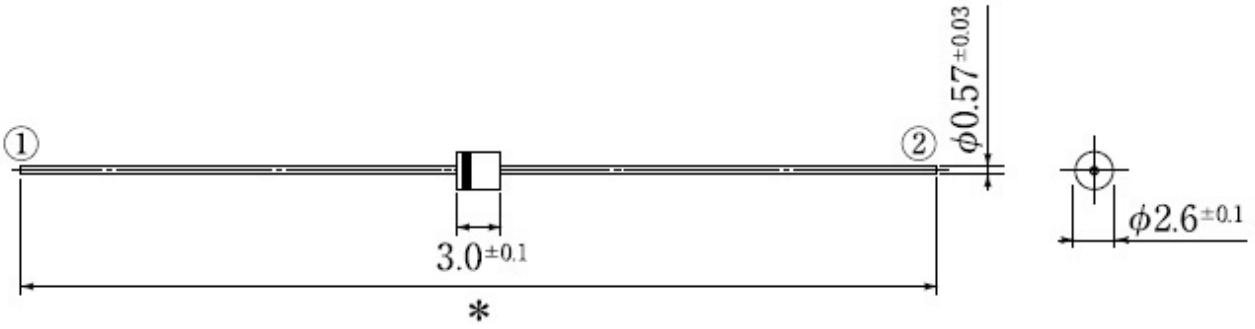


Outline Dimensions

unit:mm

A1

JEDEC Code	–
JEITA Code	–
House Name	AX057



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



- The content specified herein is subject to change for improvement without notice.
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U182-1(2026.09)

Notes

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