

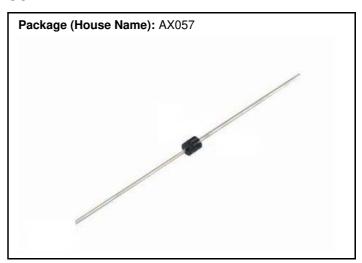
D1NL20U

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 |

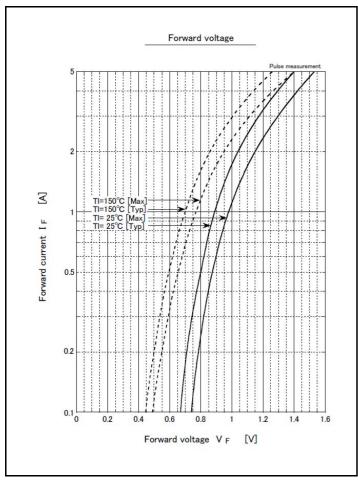
^{* :}See the original Specifications

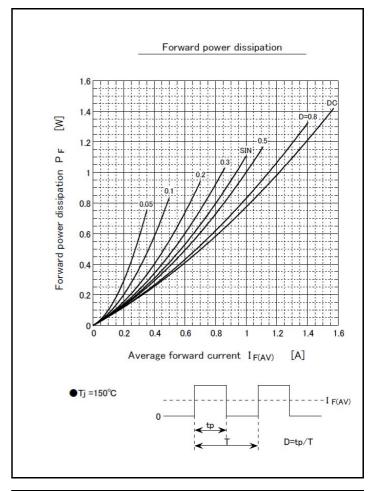
Electrical Characteristics (unless otherwise specified : TI=25°C)

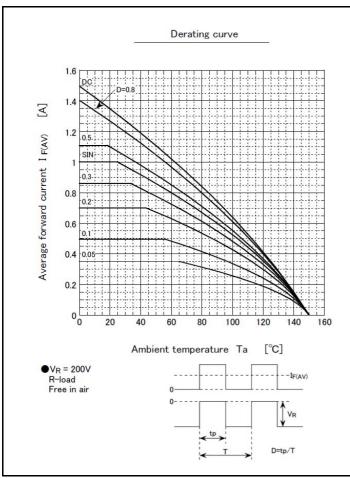
| Item | Symbol | Conditions | Ratings | | | Unit |
|-----------------------|----------------|---|---------|-----|------|------|
| | | | MIN | TYP | MAX | Onne |
| Forward voltage | V_{F} | IF=1A, Pulse measurement | | | 0.98 | V |
| Reverse current | I _R | VR=200V, Pulse measurement | | | 10 | μΑ |
| 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 |

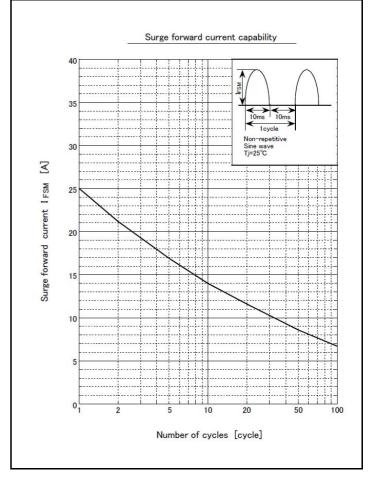
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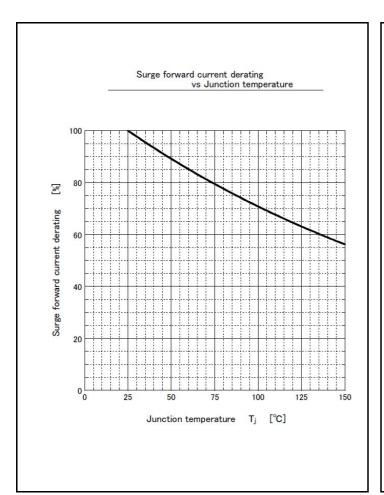
CHARACTERISTIC DIAGRAMS

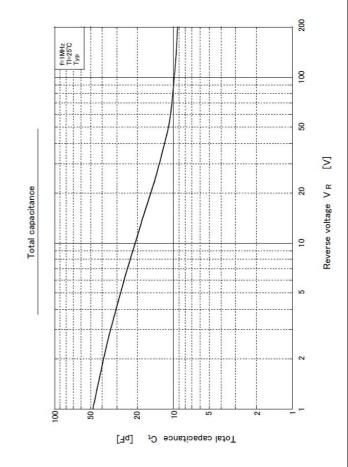










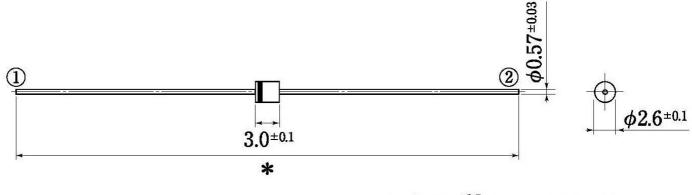


unit:mm

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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(Specific applications)

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