# S1NB60-7101

## Bridge Diodes
## 600V, 1A

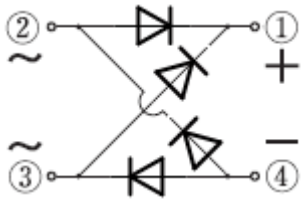
### Feature

- Small DIP (There is also SMD)
- Pb free terminal
- RoHS:Yes

### OUTLINE

**Package (House Name):** 1N

### Equivalent circuit




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

| Item | Symbol | Conditions | Ratings | Unit |
|---|---|---|---|---|
| Storage temperrature | Tstg | | -40 to 150 | °C |
| Junction temperature | Tj | | 150 | °C |
| Repetitive peak reverse voltage | $V_{RRM}$ | | 600 | V |
| Non-repetitive peak reverse voltage | $V_{RSM}$ | | 700 | V |
| 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≦t＜10ms, Tj=25°C, per diode | 4.5 | $A^2s$ |

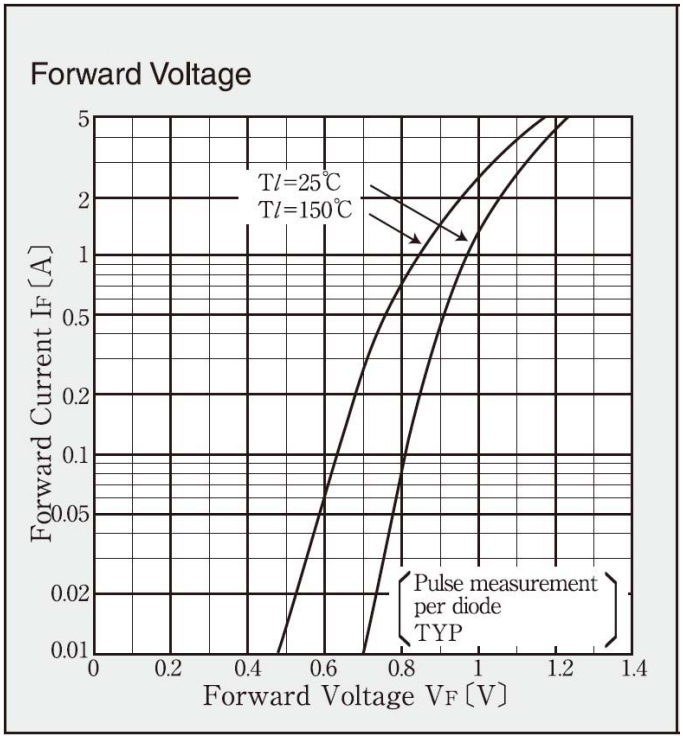
※ ：See the original Specifications

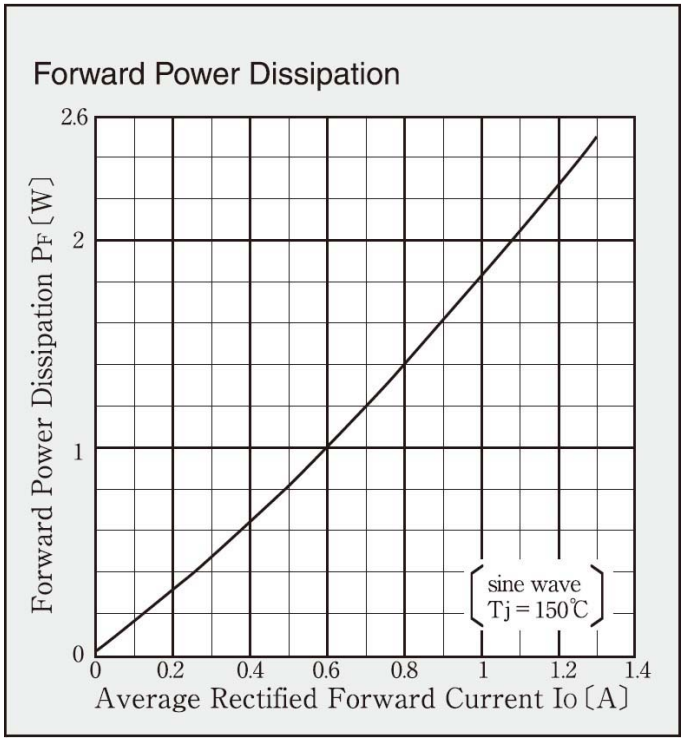
## Electrical Characteristics (unless otherwise specified : Tl=25°C)

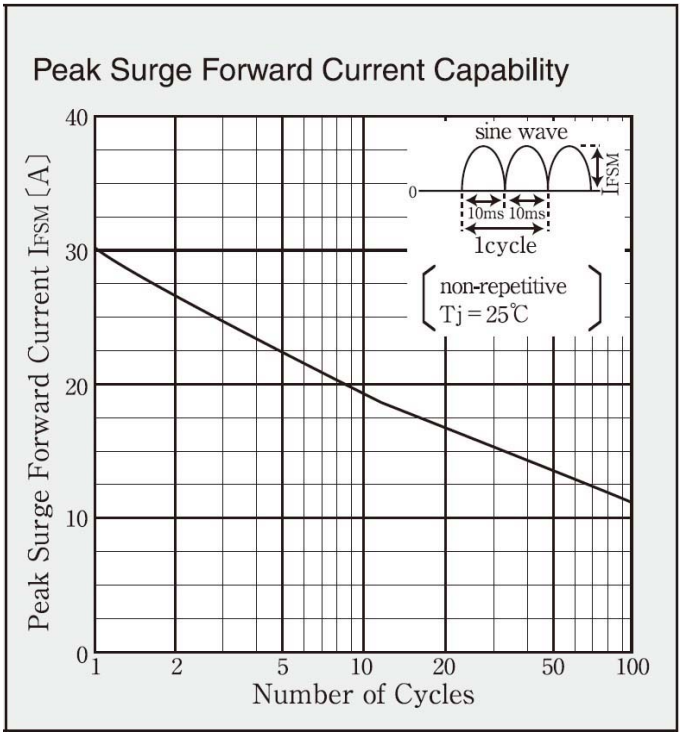
| Item | Symbol | Conditions | Ratings | | | Unit |
|---|---|---|---|---|---|---|
| | | | MIN | TYP | MAX | |
| Forward voltage | $V_F$ | IF=0.5A, Pulse measurement, per diode | | | 1.05 | V |
| Reverse current | $I_R$ | VR=600V, Pulse measurement, per diode | | | 10 | μA |
| Thermal resistance | Rth(j-l) | Junction to lead | | | 15 | °C/W |
| Thermal resistance | Rth(j-a) | Junction to ambient | | | 68 | °C/W |

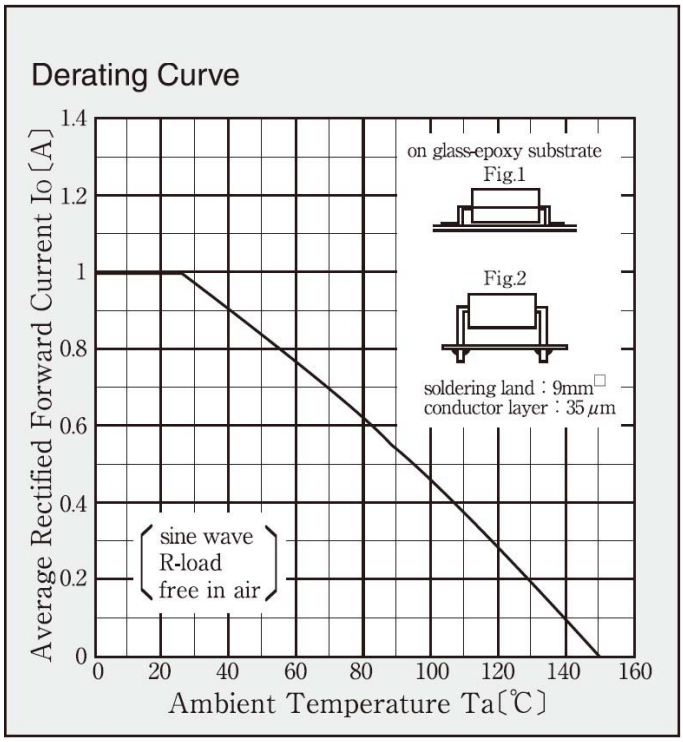
※ ：See the original Specifications

## CHARACTERISTIC DIAGRAMS



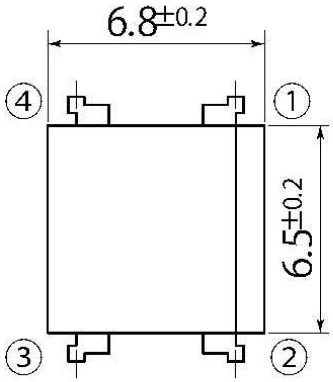
## Outline Dimensions

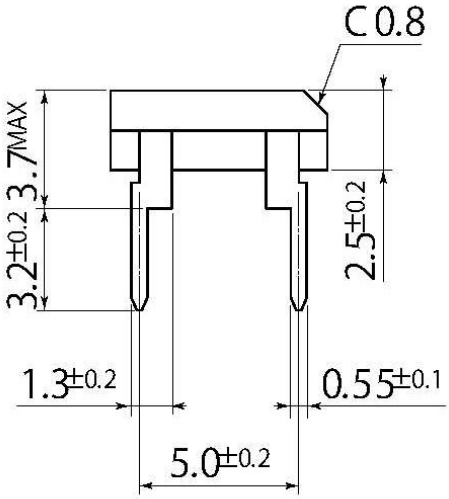
unit:mm

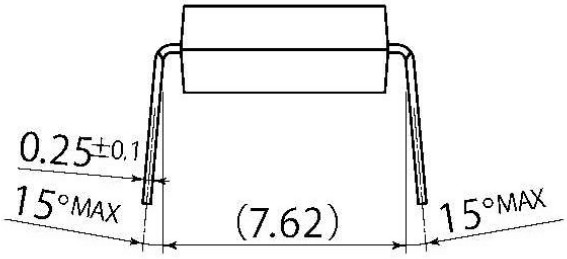
scale: 4/1

C5

| | |
|---|---|
| JEDEC Code | – |
| JEITA Code | – |
| House Name | 1N(DIP) |



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