# SHINDENGEN

## General Purpose Rectifiers

**SIL Bridges**

# D2SB60

**600V 1.5A**

## FEATURES

- Thin Single In-Line Package
- High IFSM
- Applicable to Automatic Insertion

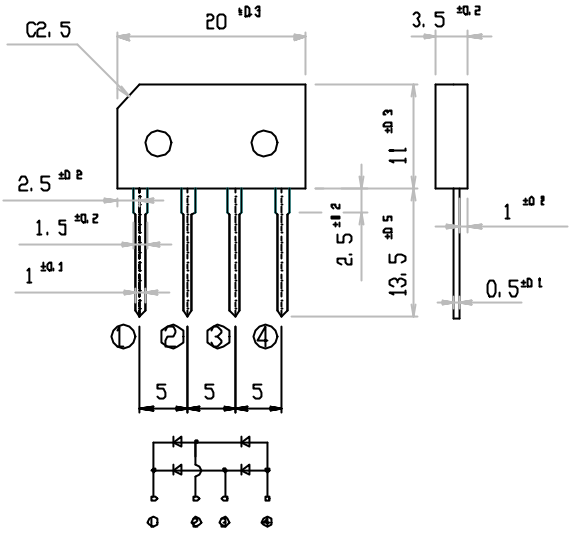
## APPLICATION

- Switching power supply
- Home Appliances, Office Equipment
- Telecommunication, Factory Automation

## OUTLINE DIMENSIONS

Case : 2S

Unit : mm




## RATINGS

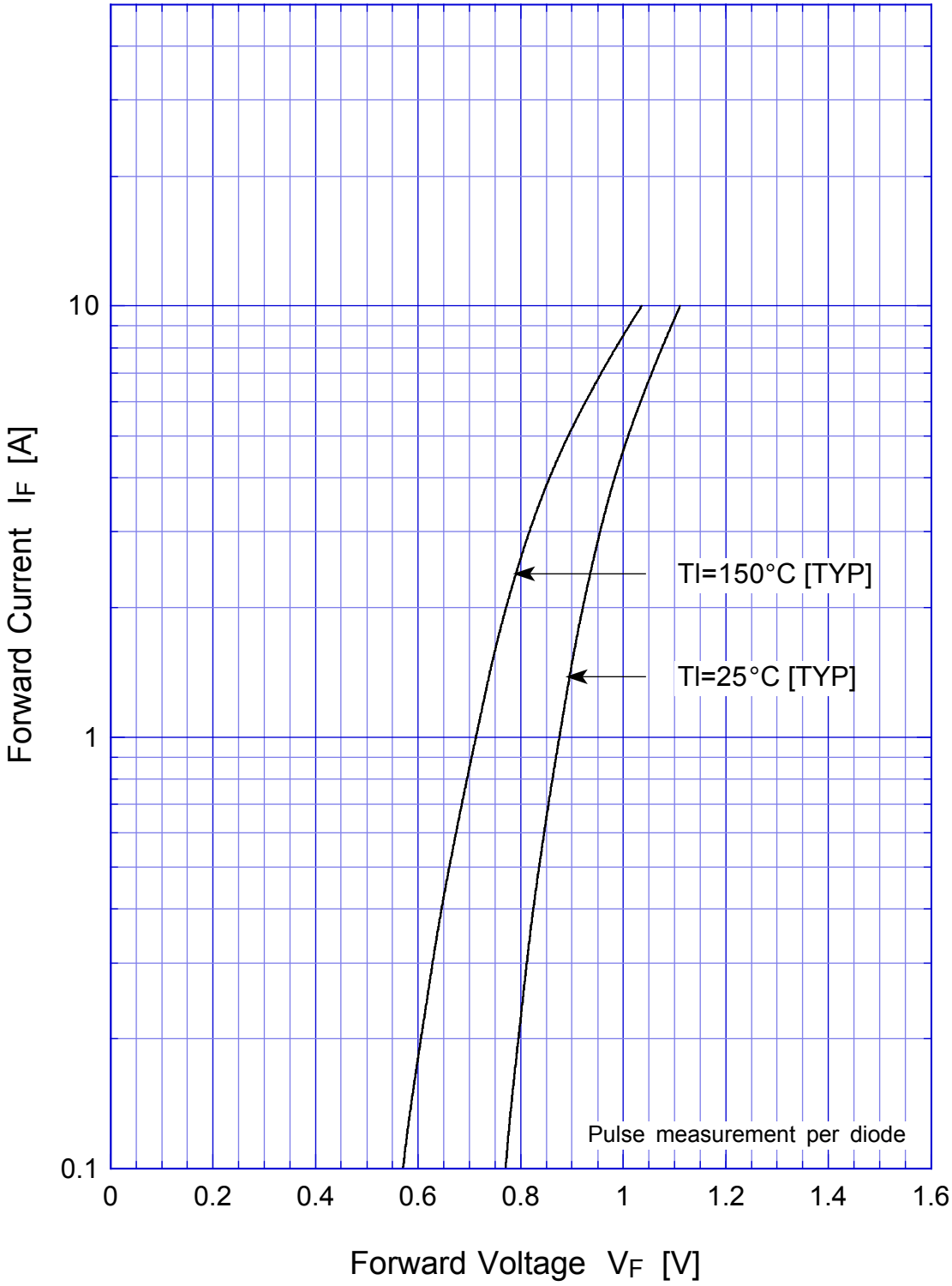
●Absolute Maximum Ratings (If not specified Tl=25°C)

| Item | Symbol | Conditions | Ratings | Unit |
|---|---|---|---|---|
| Storage Temperature | Tstg | | -40～150 | °C |
| Operating Junction Temperature | Tj | | 150 | °C |
| Maximum Reverse Voltage | $V_{RM}$ | | 600 | V |
| Average Rectified Forward Current | $I_O$ | 50Hz sine wave, R-load, On glass-epoxy substrate, Ta=25°C | 1.5 | A |
| Peak Surge Forward Current | $I_{FSM}$ | 50Hz sine wave, Non-repetitive 1cycle peak value, Tj=25 °C | 80 | A |
| Current Squared Time | $I^2t$ | 2ms≦t＜10ms Tj=25°C | 32 | $A^2s$ |

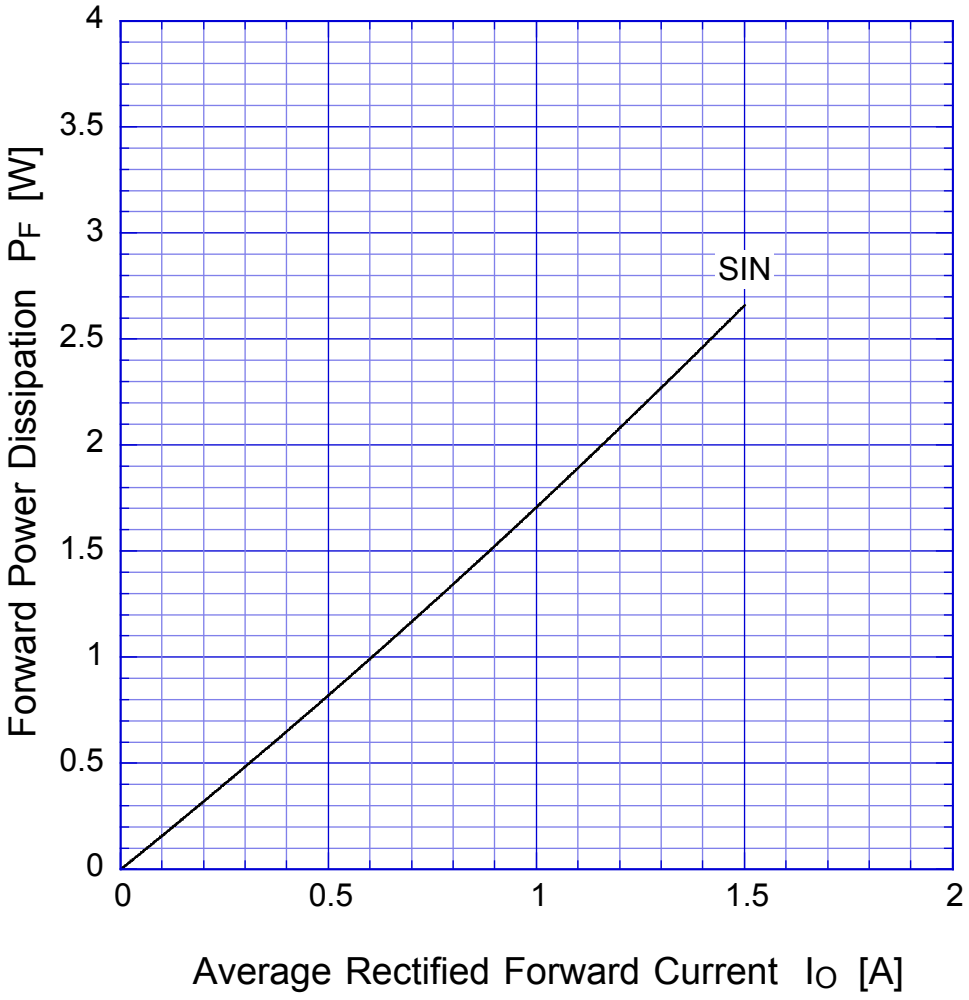
●Electrical Characteristics (If not specified Tl=25°C)

| Item | Symbol | Conditions | Ratings | Unit |
|---|---|---|---|---|
| Forward Voltage | $V_F$ | $I_F$=0.75A, Pulse measurement,Rating of per diode | Max.1.05 | V |
| Reverse Current | $I_R$ | $V_R=V_{RM}$, Pulse measurement,Rating of per diode | Max.10 | μA |
| Thermal Resistance | θjl | junction to lead | Max.10 | °C/W |
| | θja | junction to ambient | Max.47 | |

D2SBx Forward Voltage

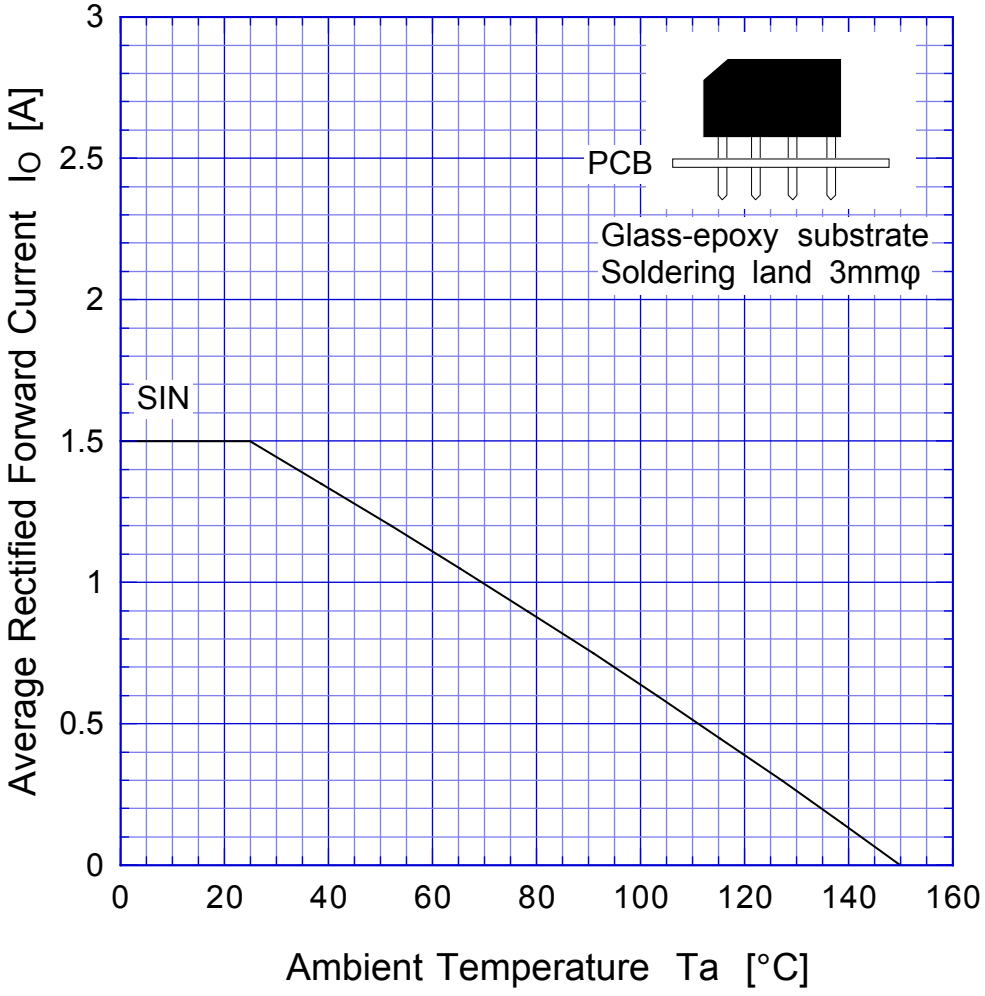


# D2SBx Forward Power Dissipation




Tj = 150°C
Sine wave

# D2SBx Derating Curve




Sine wave
R-load
Free in air

# D2SBx Peak Surge Forward Capability