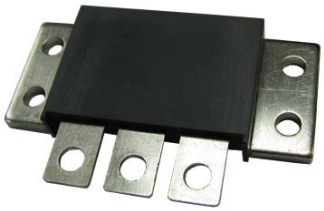
# DACO SEMICONDUCTOR CO.,LTD.

**FST120150**

## SCHOTTKY DIODE MODULE TYPE
## 120A / 150V

**POWER MOD (TO-249AA)**



### Features

High Surge Capability
Type 150V $V_{RRM}$
Isolated to Plate

### Maximum Ratings

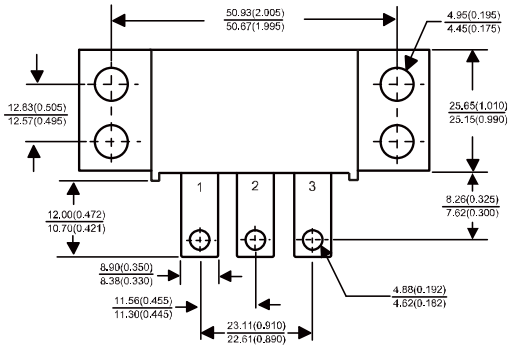
Operating Temperature：-55 °C to +150 °C
Storage Temperature：-55 °C to +150 °C

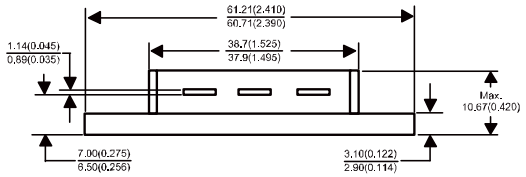
| Part Number | Maximum Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|---|---|---|---|
| FST120150 | 150V | 105V | 150V |

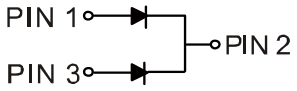
### Electrical Characteristics @ 25 ℃ Unless Otherwise Specified.

| | | | |
|---|---|---|---|
| Average Forward Current (Per pkg) | $I_{F(AV)}$ | 120A | $T_C$=125℃ |
| Peak Forward Surge Current (Per leg) | $I_{FSM}$ | 1000A | 8.3ms,half sine |
| Maximum Instantaneous Forward Voltage (Per leg) | $V_F$ | 0.88V | $I_{FM}$=60A;$T_J$=25℃ |
| Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per leg) NOTE(1) | $I_R$ | 3 mA<br>10 mA<br>30 mA | $T_J$=25℃<br>$T_J$=100℃<br>$T_J$=150℃ |
| Maximum Thermal Resistance Junction To Case (Per leg) | Rθjc | 0.80℃/W | |

Dimensions in mm (1 mm = 0.0394")




NOTE：
(1) Pulse Test: Pulse Width 300 $\mu$ sec,Duty<2%

Figure.1 - Typical Forward Characteristics

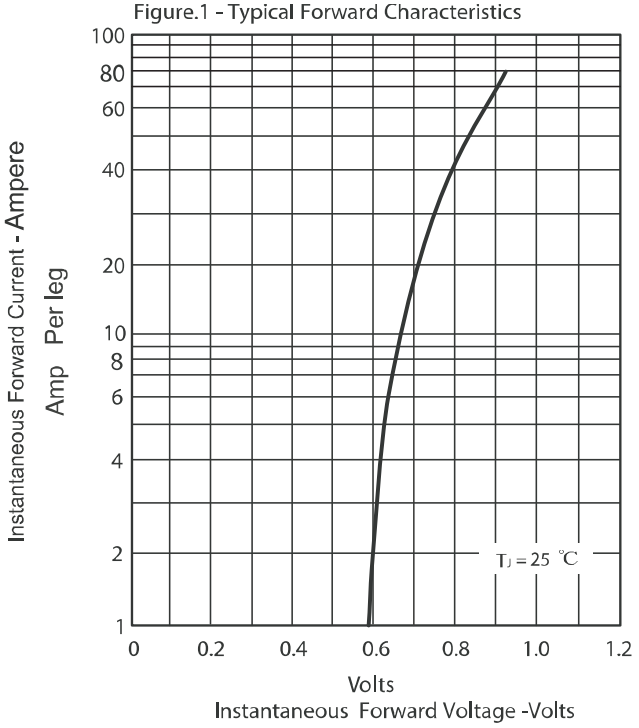
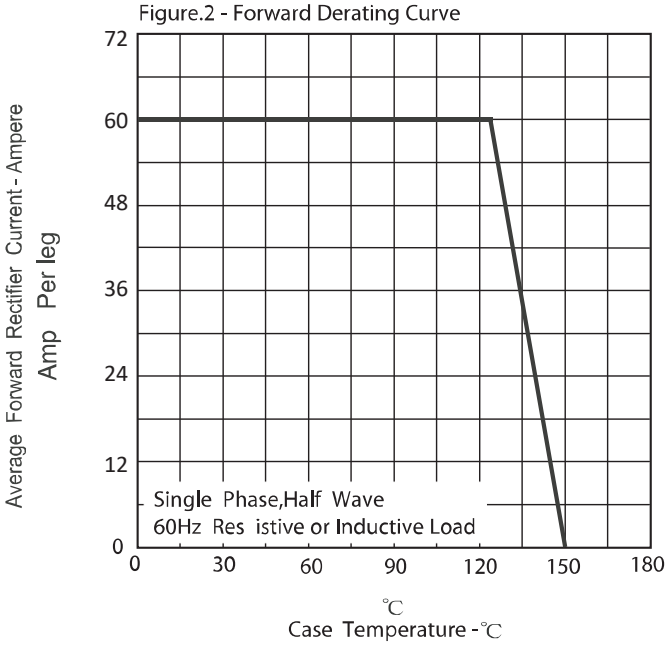



Figure.2 - Forward Derating Curve




Figupre.3 - Peak Forward Surge Current

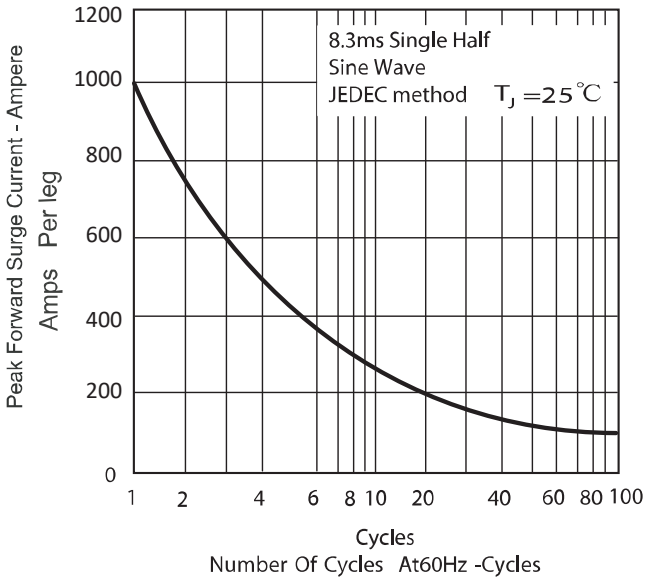
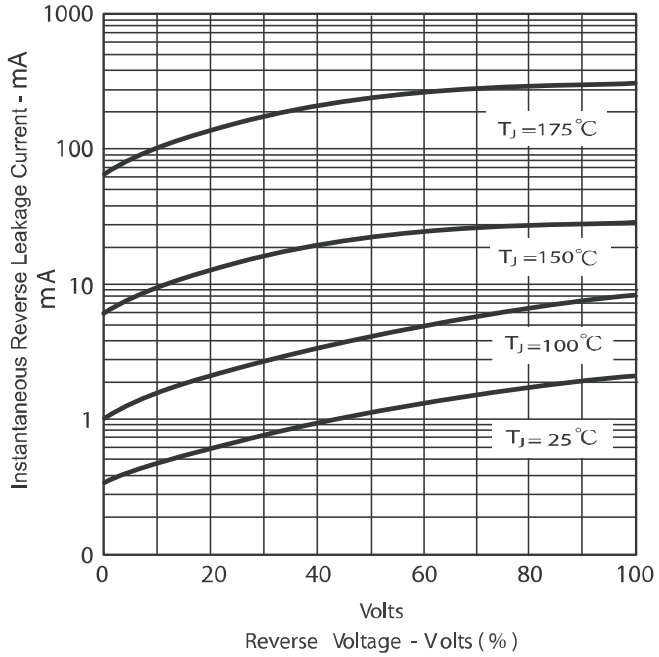



Figure .4 -Typical Reverse Characteristics



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