

**High Voltage Schottky Rectifier** 

unit: mm

### **Applications**

- High speed switching and rectification
- Switching mode power supply

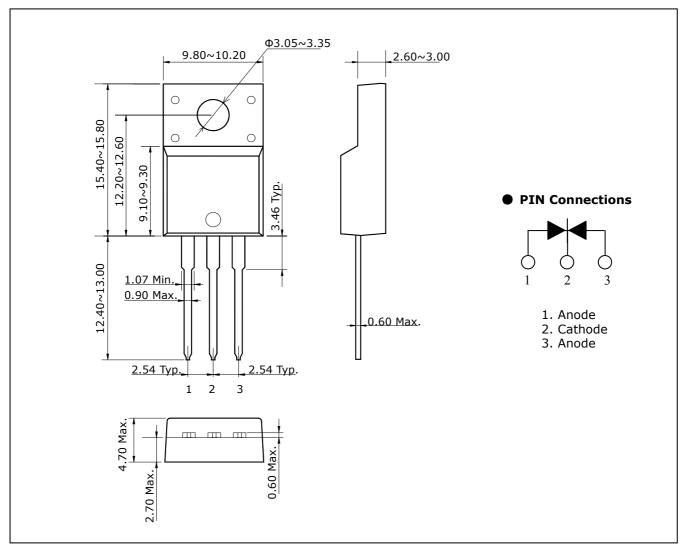
#### **Features**

- Dual chip common cathode
- Low forward voltage & low reverse current
- Low switching loss

### **Ordering Information**

Type No.	Marking	Package Code		
SDB10150PI	SDB10150PI	TO-220F-3L		

#### **Outline Dimensions**



KSD-D0O004-000

**Absolute Maximum Ratings** 

 $T_C$ =25°C

Characteristic	Symbol	Rating	Unit
Repetitive peak reverse voltage	$V_{RRM}$	150	V
Average rectified output current	I <sub>O</sub>	10	А
Peak forward surge current (Non-repetitive 60Hz sine wave)	$I_{FSM}$	120	А
Junction temperature	T <sub>J</sub>	150	°C
Storage temperature range	T <sub>stg</sub>	-55 ~ 150	°C

## **Electrical Characteristics**

T<sub>C</sub>=25°C

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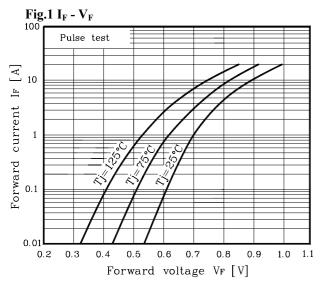
Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Peak forward voltage	V <sub>FM</sub> <sup>1), 2)</sup>	I <sub>F</sub> =5A	-	-	0.88	V
Repetitive peak reverse current	I <sub>RRM</sub> 1)	V <sub>R</sub> =150V	-	-	10	μA
Total thermal resistance	R <sub>th</sub>	Junction to ambient	-	-	62.5	°C/W
		Junction to case	-	-	4.0	

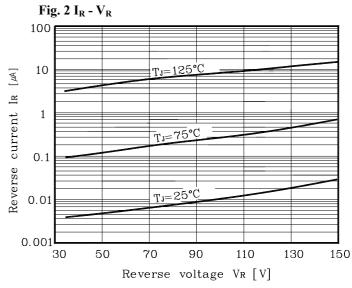
<sup>1)</sup> per each unit

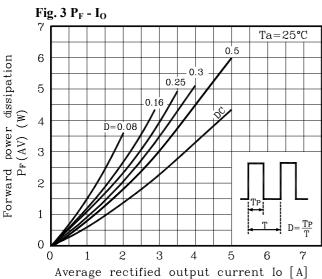
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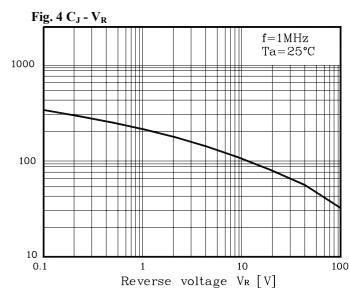
<sup>2)</sup> Pulse test :  $t_P \le 380~\mu s$ , Duty cycle  $\le 2\%$ 

### **Electrical Characteristic Curves [per each unit]**

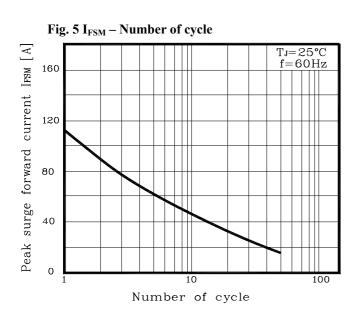


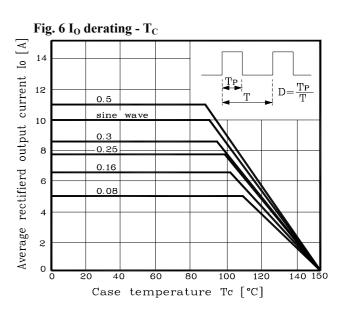






Junction Capacitance Cj [pF]





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