

## Schottky Rectifier

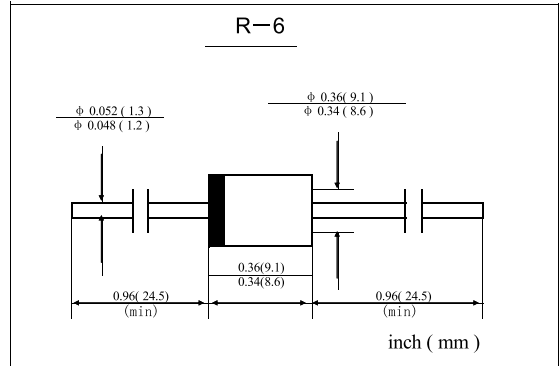
### ■ Features

- $I_o$  25A
- $V_{RRM}$  45V
- High surge current capability
- Low power loss, High efficiency

### ■ Applications

- Rectifier
- Photovoltaic Solar cell Protection

### ■ Outline Dimensions and Mark



### ■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	SB2545
Repetitive Peak Reverse Voltage	$V_{RRM}$	V		45
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave, Resistance load, $T_a=50^\circ\text{C}$	25
Surge(Non-repetitive)Forward Current	$I_{FSM}$	A	60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	350
Junction Temperature	$T_J$	$^\circ\text{C}$		-55~+150
Storage Temperature	$T_{STG}$	$^\circ\text{C}$	In DC Forward Mode-Forward Operation , Without Reverse Bias , $t \leq 1\text{s}$ (Fig.1)①	-55 ~ +200

### ■ Electrical Characteristics ( $T_a=25^\circ\text{C}$ Unless otherwise specified)

Item	Symbol	Unit	Test Condition	SB2545	
Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=25\text{A}$	0.55	
Peak Reverse Current	$I_{RRM1}$	mA	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$	05
	$I_{RRM2}$			$T_a=125^\circ\text{C}$	50
Thermal Resistance(Typical)	$R_{\theta J-C}$	$^\circ\text{C/W}$	Between junction and case	3	

### Note

- ① Meets the requirements of IEC 61215 Ed.2 bypass diode thermal test



## Characteristics(Typical)

