



## Schottky Rectifier

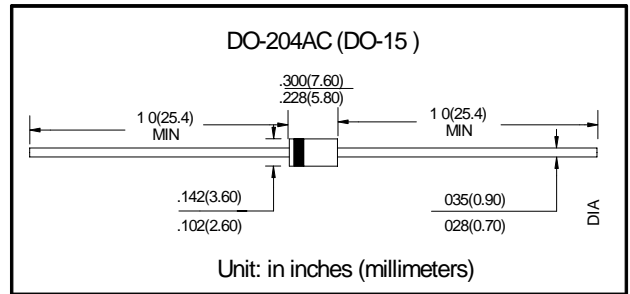
### ■ Features

- $I_o$  2.0A
- $V_{RRM}$  20V-100V
- High surge current capability

### ■ Applications

- Rectifier

### ■ Outline Dimensions and Mark



### ■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	SB2							
				20	30	40	50	60	80	100	
Repetitive Peak Reverse Voltage	$V_{RRM}$	V		20	30	40	50	60	80	100	
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave, Resistance load, $T_a=50^\circ\text{C}$	2.0							
Surge(Non-repetitive)Forward Current	$I_{FSM}$	A	60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	50							
Junction Temperature	$T_J$	$^\circ\text{C}$		-55~+125							
Storage Temperature	$T_{STG}$	$^\circ\text{C}$		-55 ~ +150							

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

Item	Symbol	Unit	Test Condition	SB2							
				20	30	40	50	60	80	100	
Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=2.0\text{A}$	0.55		0.7		0.85			
Peak Reverse Current	$I_{RRM1}$	mA	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$							
	$I_{RRM2}$			$T_a=125^\circ\text{C}$							
Thermal Resistance(Typical)	$R_{\theta J-A}$	$^\circ\text{C/W}$	Between junction and ambient				35				
	$R_{\theta J-L}$		Between junction and lead				20				



■ Characteristics(Typical)

