

Schottky Rectifier

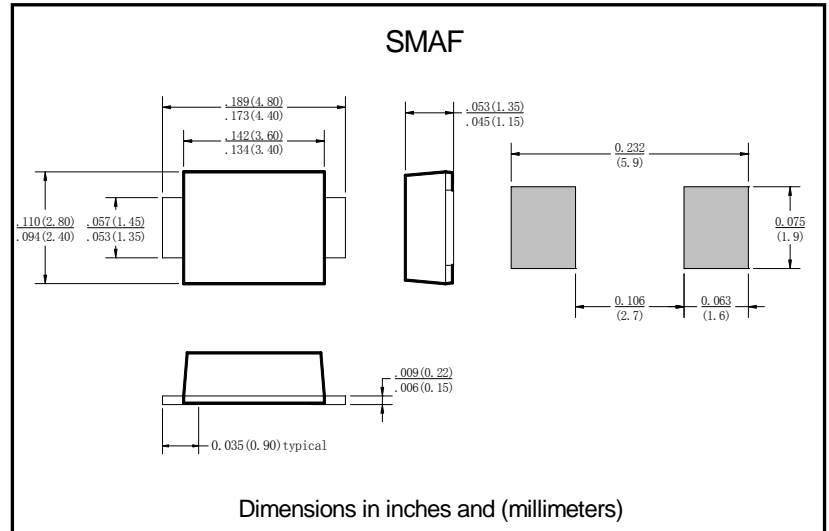
■ Features

- I_o 3.0A
- V_{RRM} 20V~100V
- Low VF, Low power loss
- High surge forward current capability

■ Applications

- Rectifier

■ Outline Dimensions and Mark



■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	S3						
				2F	3F	4F	5F	6F	8F	10F
Repetitive Peak Reverse Voltage	V_{RRM}	V		20	30	40	50	60	80	100
Average Rectified Output Current	I_o	A	60Hz One-way half-wave, R-load, $T_a=75^\circ\text{C}$	3.0						
Surge(Non-repetitive) Forward Current	I_{FSM}	A	60Hz sine wave, 1 cycle, $T_j=25^\circ\text{C}$	80						
Storage Temperature	T_{stg}	$^\circ\text{C}$		-55 ~+150						
Junction Temperature	T_j	$^\circ\text{C}$		-55 ~+100						

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

Item	Symbol	Unit	Test Condition	S3						
				2F	3F	4F	5F	6F	8F	10F
Peak Forward Voltage	V_{FM}	V	$I_{FM}=3.0A$	0.5		0.7		0.85		
Peak Reverse Current	I_{RRM}	mA	$V_{RM}=V_{RRM}$, $T_a=25^\circ\text{C}$	0.5						
Thermal Resistance	$R_{\theta J-L}$	$^\circ\text{C/W}$	Between junction and lead	20						



■ Characteristics(Typical)

