

Super Fast Recovery Rectifier Diode

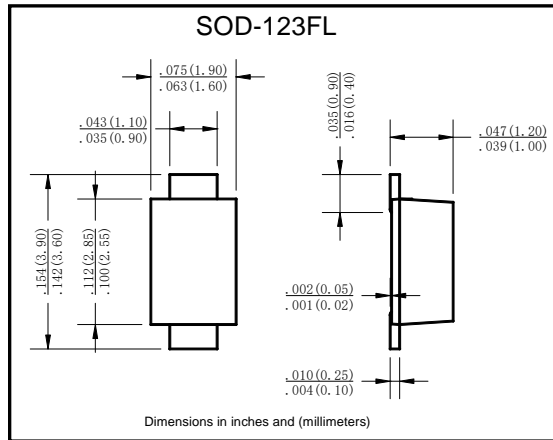
■ Features

- I_o 1.0A
- V_{RRM} 50V~600V
- Glass passivated chip
- High surge forward current capability

■ Applications

- For general power supply single-phase rectifier

■ Outline Dimensions



■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	E1					
				A	B	D	F	G	J
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	300	400	600
Average Rectified Output Current	I_o	A	60Hz One-way half-wave, R-load, $T_a=75^\circ\text{C}$	1.0					
Surge(Non-repetitive) Forward Current	I_{FSM}	A	60Hz sine wave, 1 cycle, $T_j=25^\circ\text{C}$	30					
Storage Temperature	T_{stg}	$^\circ\text{C}$		-55 ~+150					
Junction Temperature	T_j	$^\circ\text{C}$		-55 ~+150					

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

Item	Symbol	Unit	Test Condition	E1					
				A	B	D	F	G	J
Peak Forward Voltage	V_{FM}	V	$I_{FM}=1.0\text{A}$	1.0		1.3		1.7	
Maximum reverse recovery time	t_{rr}	ns	$I_F=0.5\text{A}, I_R=1.0\text{A}, I_{RR}=0.25\text{A}$	35					
Peak Reverse Current	I_{RRM}	μA	$V_{RM}=V_{RRM}, T_a=25^\circ\text{C}$	5					
Thermal Resistance	$R_{\theta J-L}$	$^\circ\text{C/W}$	Between junction and lead	20					

■ Characteristics(Typical)

