

General Purpose Rectifier

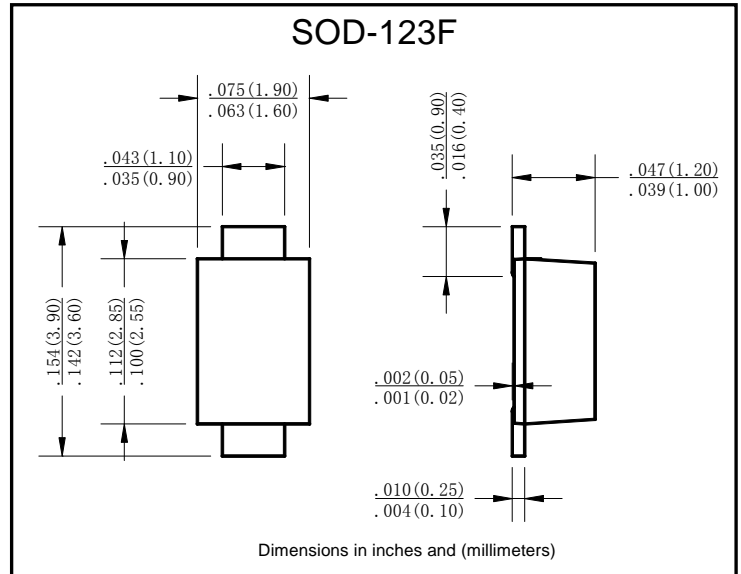
■ Features

- I_o 1.5A
- V_{RRM} 50V~1000V
- Glass passivated chip
- High surge forward current capability

■ Applications

- For general power supply single-phase rectifier

■ Outline Dimensions and Mark



■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	G15						
				A	B	D	G	J	K	M
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800	1000
Average Rectified Output Current	I_o	A	60Hz One-way half-wave, R-load, $T_a=75^\circ\text{C}$	1.5						
Surge(Non-repetitive) Forward Current	I_{FSM}	A	60Hz sine wave, 1 cycle, $T_j=25^\circ\text{C}$	50						
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	Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=1.5A$	1.1
Peak Reverse Current	I_{RRM}	μA	$V_{RM}=V_{RRM}$, $T_a=25^\circ\text{C}$	5
Thermal Resistance	$R_{\theta\text{ J-L}}$	$^\circ\text{C/W}$	Between junction and lead	20



Characteristics(Typical)

FIG1:Io-Ta Curve

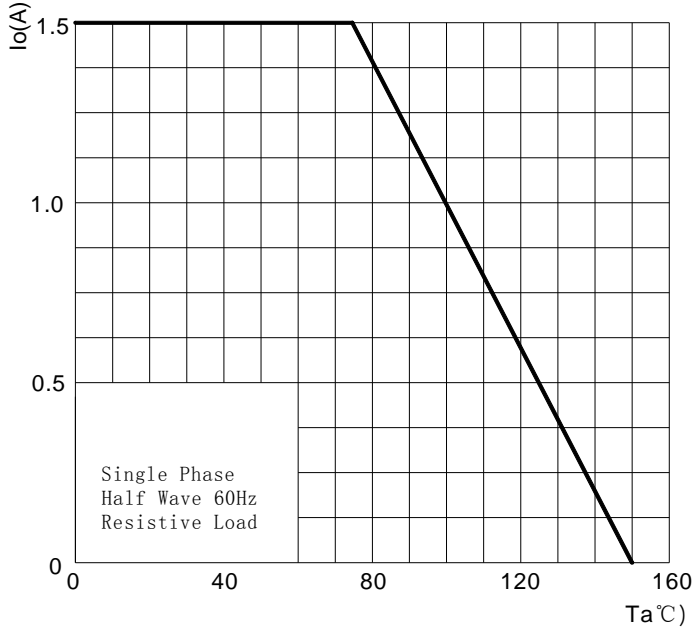


FIG2:Surge Forward Current Capadility

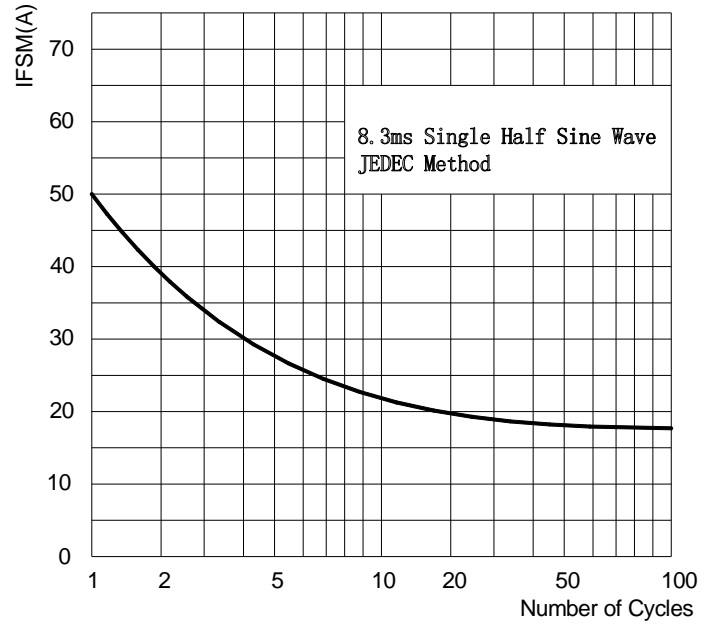


FIG3: Forward Voltage

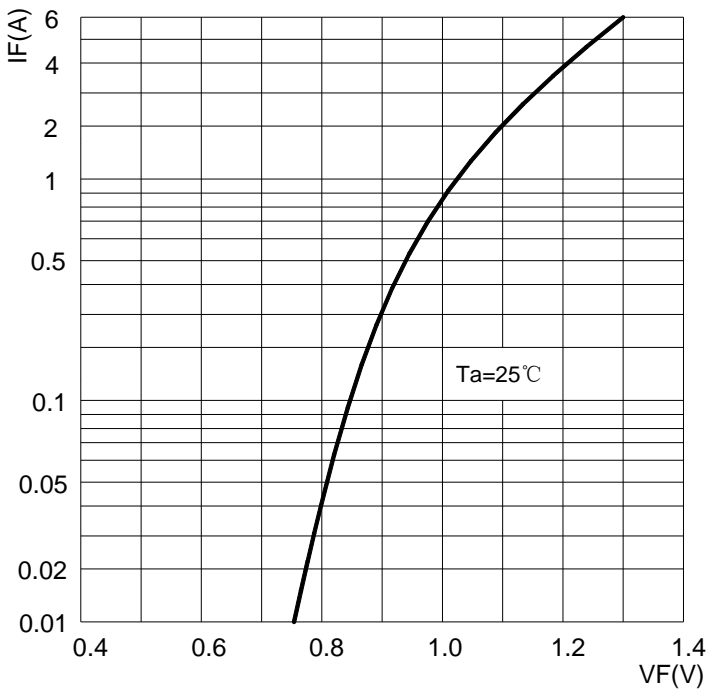


FIG4:Typical Reverse Characteristics

