

Schottky Rectifier

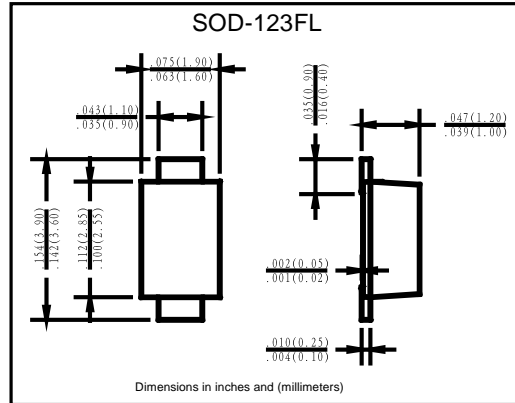
■ Features

- I_o 2.0A
- V_{RRM} 20V~200V
- 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	FS2														
				2	3	4	5	6	8	10	15	20						
Repetitive Peak Reverse Voltage	V_{RRM}	V		20	30	40	50	60	80	100	150	200						
Average Rectified Output Current	I_o	A	60Hz One-way half-wave, R-load, $T_a=75^\circ\text{C}$	2.0														
Surge(Non-repetitive) Forward Current	I_{FSM}	A	60Hz sine wave, 1 cycle, $T_j=25^\circ\text{C}$	40														
Storage Temperature	T_{stg}	°C		-55 ~+150														
Junction Temperature	T_j	°C		-55 ~+125					-55 ~+150									

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

Item	Symbol	Unit	Test Condition	FS2									
				2	3	4	5	6	8	10	15	20	
Peak Forward Voltage	V_{FM}	V	$I_{FM}=2.0A$	0.5			0.7		0.85		0.9		
Peak Reverse Current	I_{RRM}	mA	$V_{RM}=V_{RRM}$, $T_a=25^\circ\text{C}$	0.5									
Thermal Resistance	$R_{\theta J-L}$	°C/W	Between junction and lead	20									



Characteristics(Typical)

FIG1:Io-Ta Curve

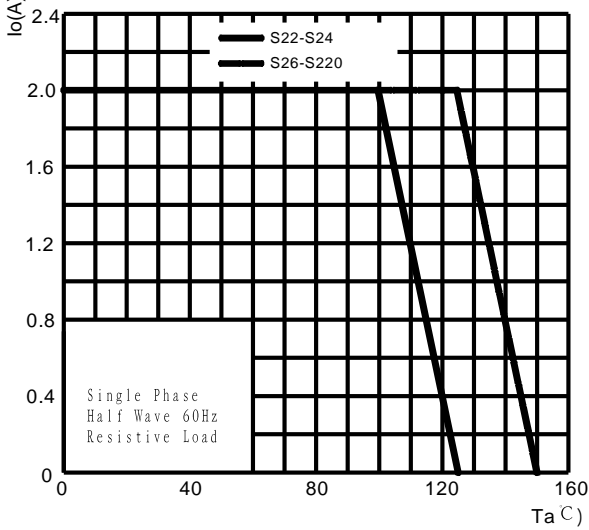


FIG2:Surge Forward Current Capacity

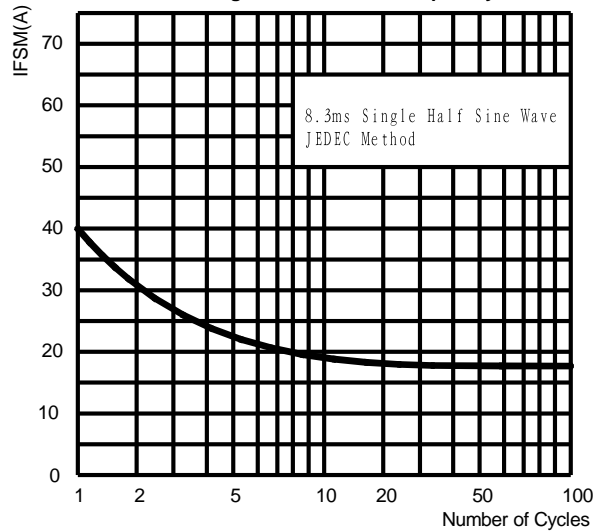


FIG3: Forward Voltage

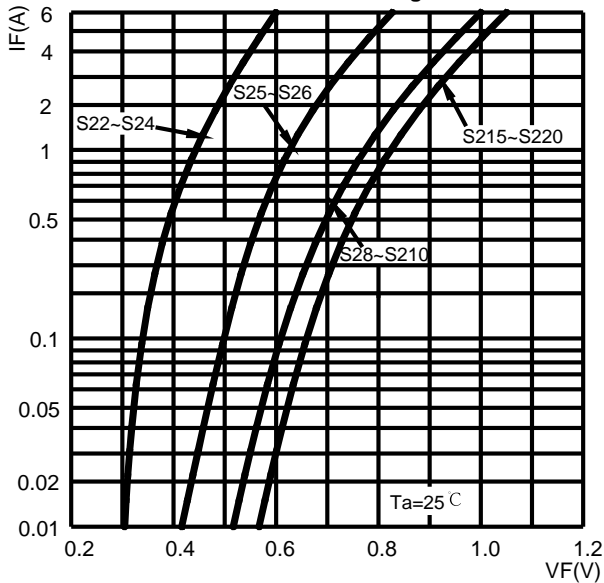


FIG4:Typical Reverse Characteristics

