



YENYO

SS22A THRU SS210A 2.0A Schottky Barrier Rectifiers

1. 封裝 Package

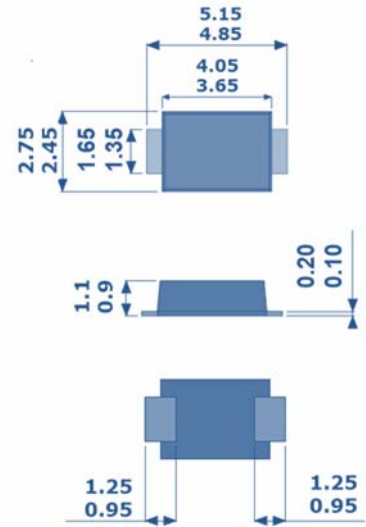
- 封裝方式 Method: SMAF
- 封裝尺寸 Dimension: 如圖示

2. 產品特色 Features

- For surface mounted applications in order to optimize board space
- High surge capacity
- Low power loss, high efficiency.
- Package suitable for Automated Handling
- Ultra Thin Profile Package for Space Constrained Utilization
- Meet with EU RoHS 2011/65/EU compliance
- Lead free and Green device

3. 機械數據 Mechanical Data

- Epoxy: UL94V-0 rated flame retardant
- Case: Epoxy, Molded
- Terminals: Solder plated solderable per MIL-STD-750 Method 2026
- Polarity: Color band denotes cathode end



單位 Unit: millimeters

4. 極限值與電參數 Maximum Ratings & Electrical Characteristic

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

PARAMETER	Symbol	SS22A	SS24A	SS26A	SS210A	UNITS
Recurrent Peak Reverse Voltage	V_{RRM}	20	40	60	100	Volts
RMS Voltage	V_{RMS}	14	28	42	70	Volts
DC Blocking Voltage	V_R	20	40	60	100	Volts
Average Forward Current	$I_{F(AV)}$	2.0				Amps
Peak Forward Surge Current 8.3ms single half sine -wave superimposed on rated load (JEDEC Method)	I_{FSM}	50				Amps
Forward Voltage at 2.0A	V_F	0.5		0.7	0.8	Volts
DC Reverse Current at Rated DC Blocking Voltage $T_J=25^\circ\text{C}$	I_R	0.1			0.05	mA
Typical Thermal Resistance, Junction to Lead (NOTE1)	$R_{\theta JL}$	20			20	$^\circ\text{C/W}$
Junction to Ambient (NOTE1)	$R_{\theta JA}$	83			150	
Operating Junction Temperature and Storage Temperature Range	T_J, T_{STG}	-55 to +150				$^\circ\text{C}$

Notes:

- (1) Mounted on 48cm² FR-4 PCB.



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5. SS22A-SS26A 特性曲線 Rating & Characteristic Curves

Fig. 1 Forward Current Derating Curve

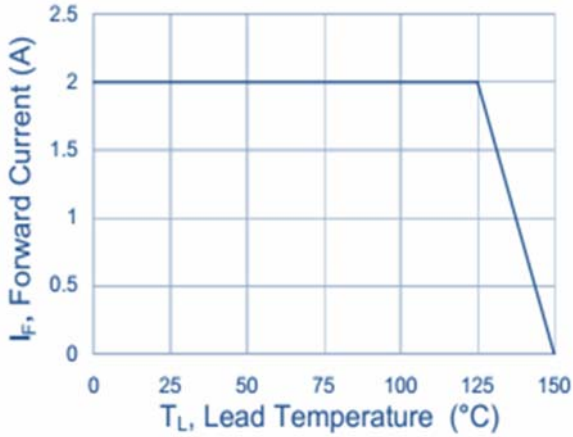


Fig. 2 Typical Reverse Characteristics

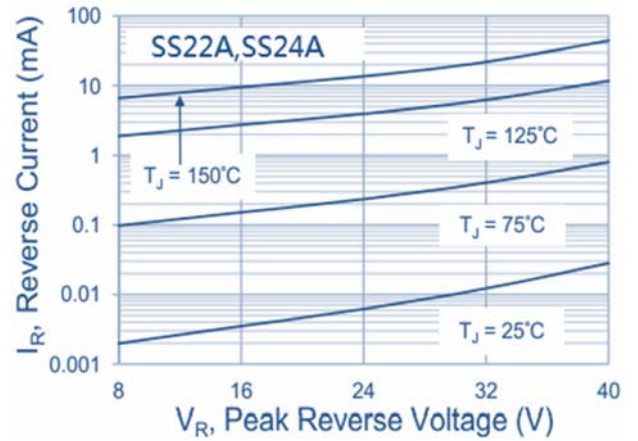


Fig. 3 Typical Reverse Characteristics

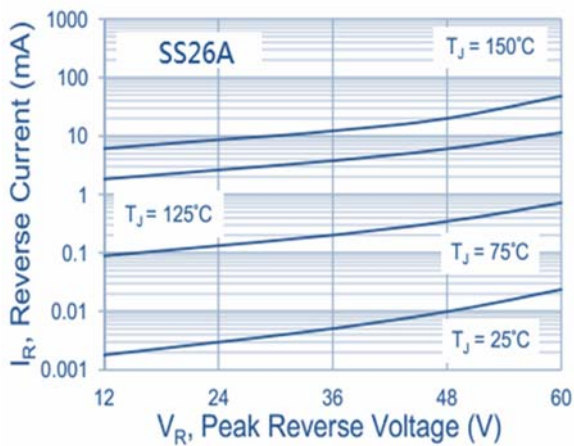


Fig. 4 Typical Forward Characteristics

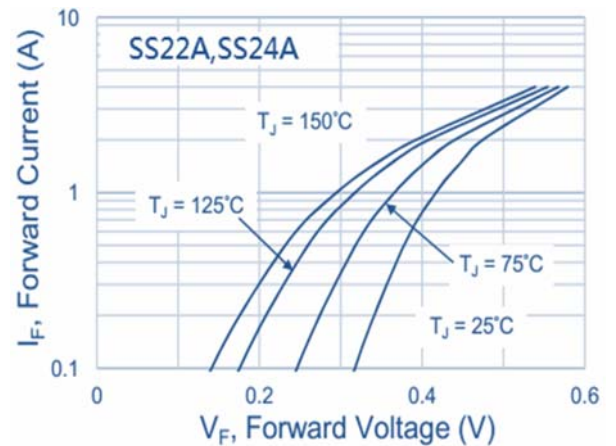
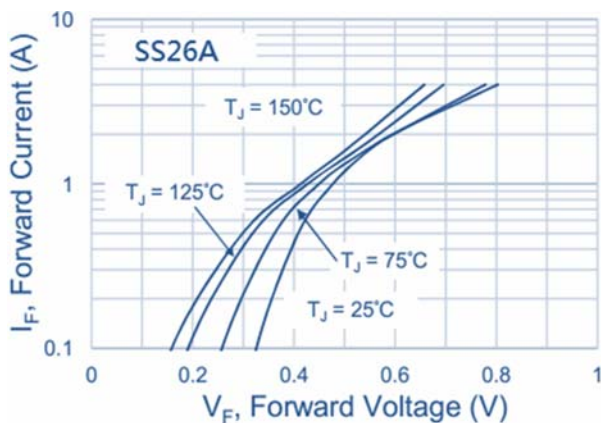


Fig. 5 Typical Forward Characteristics





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6. SS210A特性曲線 Rating & Characteristic Curves

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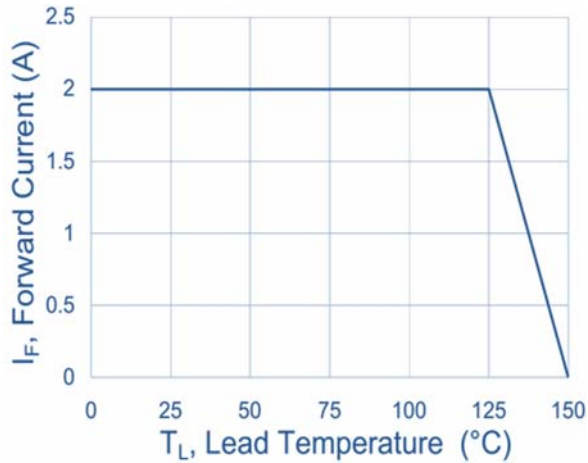


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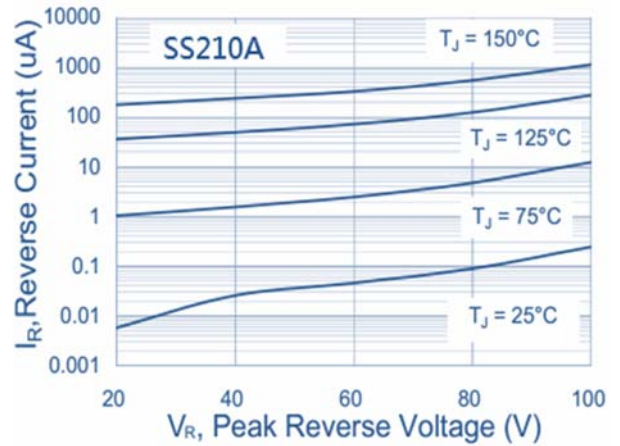


Fig. 3 Typical Forward Characteristics

