

## SR520 THRU SR5100

### Schottky Rectifier

### **Features**

- Low power loss
- Guardring for overvoltage protection
- Extremely fast switching
- High frequency operation
- High forward surge capability
- Solder dip maximum peak of 275 °C /7s ,

per JESD 22-B106

## **Typical Application**

For use in low voltage high frequency inverters,

freewheeling, DC/DC converters, and polarity

#### protection

applications.

## **Mechanical Data**

Package: DO-201AD(DO-27)

Molding compound meets UL 94 V-0 flammability

rating,RoHS-compliant

Terminals: Tin plated leads, solderable per J-STD-002

and JESD22-B102

Polarity: Color band denotes cathode end

#### Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol Unit	Conditions	SR5
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Revision:21-Mar-20			~1~





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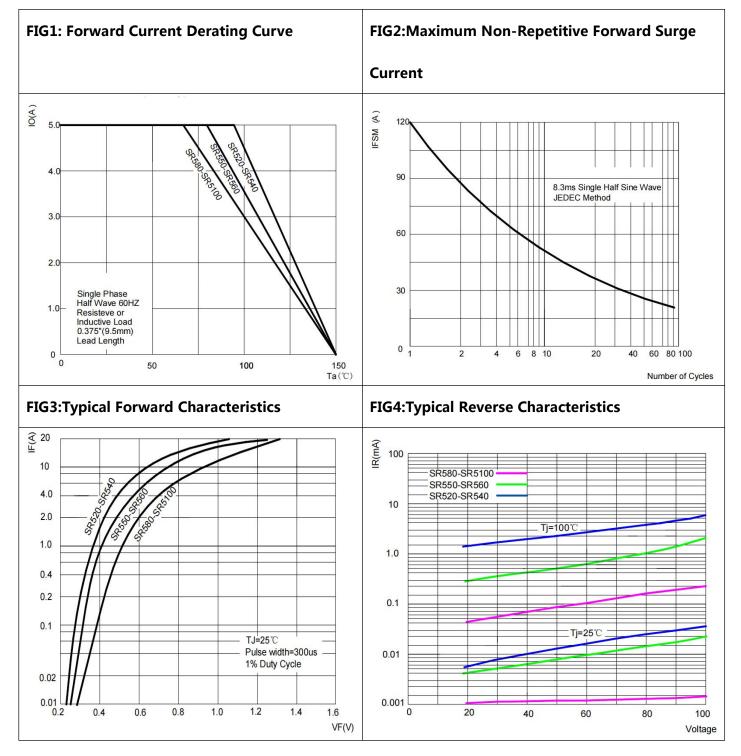
				20	30	40	50	60	80	100
Repetitive Peak Reverse Voltage	Vrrm	V		20	30	40	50	60	80	100
Average Forward Current	IF(AV)	А	60HZ Half-sine wave, Resistance load, Ta(FIG.1)	5.0						
Surge(Nonrepetitive)Forward Current	IFSM	А	60HZ sine wave, 1 cycle, Ta=25℃	120						
Storage Temperature	Tstg	°C		-55 ~ +150						
Junction Temperature	Tj	°C		-55 ~ +150						

## Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol	Unit	Conditions		SR5							
PARAMETER	Symbol Unit		Conditions		20	30	40	50	60	80	100	
Peak Forward Voltage	Vfm	V	Іғм =5.0А		0.55 0.7		.7	0.85				
Peak Reverse Current	IRRM1	<b>m</b> 4	Vrm=Vrrm	<b>Ta=25℃</b>	0.2							
	IRRM2	— mA		Ta=125℃	20							
Thermal Resistance(Typical)	R <sub>0J-A</sub>	°C <b>/W</b>	Between junction and ambient		20							
Typical junction capacitance		Measured at 1 MHZ a		MHZ and								
	Cj	pF	Applied Reverse Voltage of		Applied Reverse Voltage of 250							
			4.0 V.D.C									



### Characteristics (Typical)



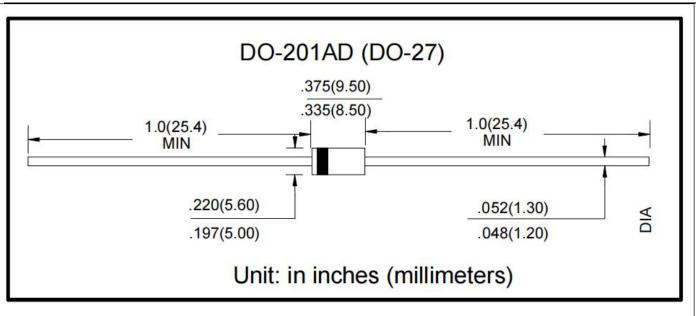


## Ordering Information (Example)

PREFERED	PACKAGE CODE		INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE	
SR520~SR5100	DO-201AD(DO-27)	1250	1250	12500	Таре	

Outline Dimensions







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