

SR8200E

Voltage 200V 8.0Amp Schottky Barrier Rectifiers

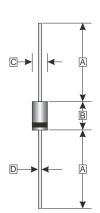
RoHS Compliant Product A suffix of "-C" specifies halogen & lead-free

FEATURES

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability
- Epitaxial construction

MECHANICAL DATA

- Case: Molded plastic
- Epoxy: UL94V-0 rate flame retardant
- Lead: Lead solderable per MIL-STD-202
 method 208 guaranteed
- Polarity: As Marked
- Mounting position: Any
- Weight: 1.1 grams (Approximately)



DO-27

REF.	Millimeter		
	Min.	Max.	
А	25.4	(TYP)	
В	7.20	9.50	
С	4.80	5.60	
D	1.10	1.30	
D	1.10	1.30	

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, de-rate current by 20%)

Parameter		Symbol	Rating	Unit
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	200	V
Working Peak Reverse Voltage		V _{RSM}	200	V
Maximum DC Blocking Voltage		V _{DC}	200	V
Maximum Average Forward Rectified Current See Fig. 1		l _F	8	А
Peak Forward Surge Current, 8.3 ms single half sine-wave Superimposed on rated load (JEDEC method)		I _{FSM}	150	A
Maximum Instantaneous Forward Voltage @ 8A		V _F	0.9	V
Maximum DC Reverse Current at Rated DC Blocking Voltage ³	$T_A = 25^{\circ}C$	I _R	0.05	mA
	T _A = 125°C		20	
Typical Junction Capacitance ¹		CJ	200	pF
Typical Thermal Resistance $R_{\theta JC}^2$		R _θ JC	12	°C /W
Operating Temperature Range T _J		TJ	-50~150	°C
Storage Temperature Range T _{STG}		T _{STG}	-65~150	°C

Notes:

1. Measured at 1MHz and applied reverse voltage of 5.0V D.C.

2. Thermal Resistance Junction to Case.

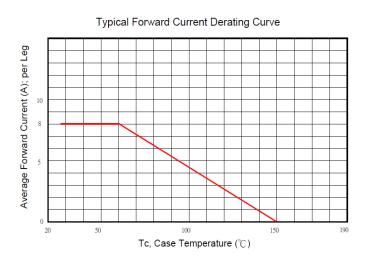
3. Pulse test: 300us pulse width, 1% duty cycle.



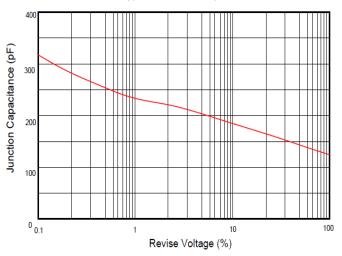
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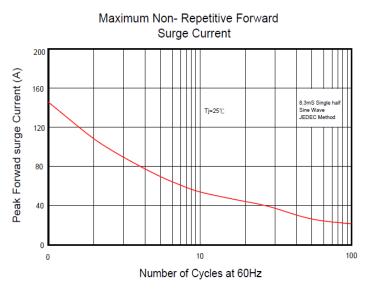
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RATINGS AND CHARACTERISTIC CURVES

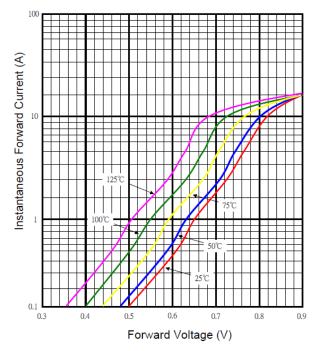




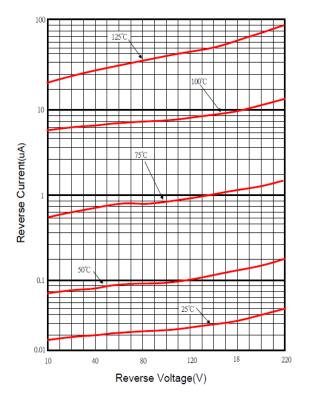




Typical Forward Characteristic



Typical Reverse Characteristic



http://www.SeCoSGmbH.com/