



## 100VRRM Surface Mount Schottky Barrier Diode SS810C 70VRMS Voltage SMC Package

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS810C
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



### Product Specification

- Component Name: Schottky Barrier Diode
- Component Package: DO-214AAB/SMC
- Max. VRRM: 100V
- Component Max. VRMS: 70V
- Product Max. VDC: 100V
- SS810C IF(AV): 8A
- VF At 8A: 0.8V
- SS810C IR: 50μA
- Highlight: **SS810C, Surface Mount Schottky Barrier Diode,  
SS810C Schottky Barrier Diode**



## Product Description

### 100VRRM Surface Mount Schottky Barrier Diode SS810C 70VRMS Voltage SMC Package

**Schottky Barrier Diode SS810C DATASHEET:** [SS810C\(SMC\)\\_v94.1.pdf](#)

#### Schottky Barrier Diode SS810C Features are as Follows:

Schottky Barrier Diode SS810C Plastic package is UL94V-0.  
For surface mount package applications is in order to optimize board space.  
SS810C has Low power loss, high efficiency.  
SS810C Green molding compound as per IEC 61249 standard.  
This component has High surge capacity.  
Lead free, Schottky Barrier Diode is in compliance with EU RoHS 2.0.

#### Schottky Barrier Diode SS810C Mechanical Data:

Schottky Barrier Diode SS810C Case: JEDEC DO-214AB molded plastic.  
Its Terminals: Solder plated, solderable per MIL-STD-750, Method 2026.  
Schottky Barrier Diode SS810C Polarity: Color band denotes cathode end.  
Its Standard packaging: 16mm tape (EIA-481).  
Schottky Barrier Diode SS810C Approx. Weight: 0.0082 ounces, 0.2325 grams.

#### Max. Ratings and Electrical Characteristics of Schottky Barrier Diode SS810C:

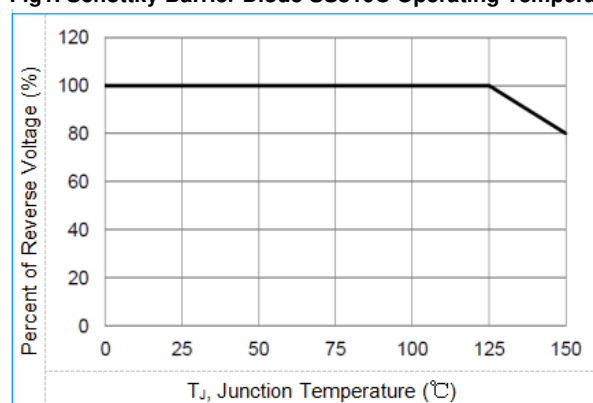
SS810C Ratings at 25 ° ambient temperature unless otherwise specified. Resistive or inductive load.

SS810C Parameter	Symbol	SS810C	SS810C Unit
Schottky Barrier Diode Max. Recurrent Peak Reverse Voltage	VRRM	100	V
Schottky Barrier Diode Maximum RMS Voltage	VRMS	70	V
Schottky Barrier Diode Max. VDC	VDC	100	V
Schottky Barrier Diode Maximum Average Forward Current	IF(AV)	8	A
Peak Forward Surge Current : 8.3ms Single Half Sinewave Superimposed on Rated Load	IFSM	150	A
SS810C Maximum Forward Voltage at 8A	VF	0.8	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	50	μA
Schottky Barrier Diode Typical Thermal Resistance	(Note 1) RθJL	15	/W
	(Note 2) RθJA	110	
SS810C Operating Junction and Storage Temperature Range	TJ, TSTG	-55 to +150	

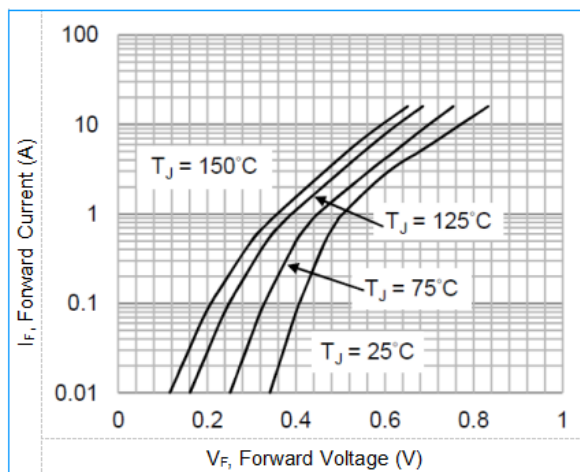
Notes: 1. Mounted on a FR4 PCB, single-sided copper, with 100cm<sup>2</sup> copper pad area.  
2. Mounted on a FR4 PCB, single-sided copper, mini pad.

#### Schottky Barrier Diode SS810C Rating and Characteristic Curves:

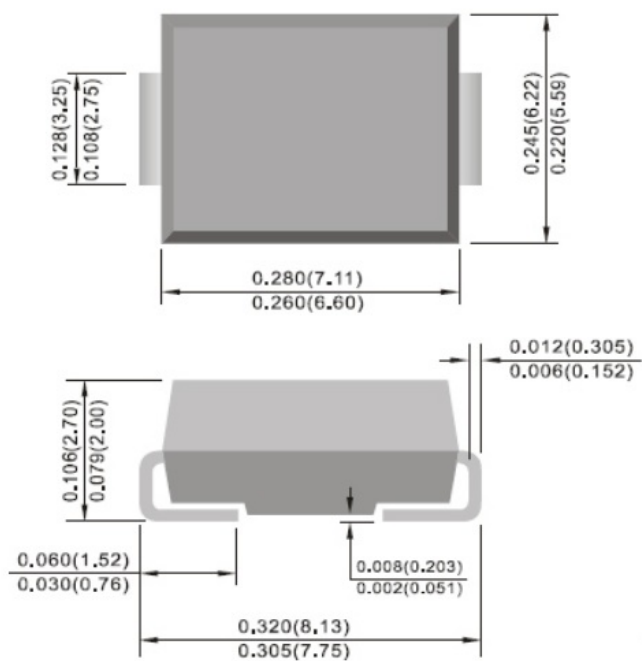
**Fig1. Schottky Barrier Diode SS810C Operating Temperature Derating Curve:**



**Fig2. Typical Forward Characteristics**



**Schottky Barrier Diode SS810C SMC/DO-214AB Package Outline (Unit:inch(mm)):**



**Packaging Information:**

Part Number	Component Package	Quantity	Packaging Option
SS810C	SMC/DO-214AB	3000 PCS	per 13" plastic Reel
		800 PCS	per 7" plastic Reel

