



SOD-123FL Package Schottky Barrier Rectifiers SBD102D1~SBD120D1 20 To 200VRRM SBD104D1

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH,RoHS,ISO
- Model Number: SBD104D1
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- SBD104D1 Name: Schottky Barrier Rectifiers
- SBD104D1 Package: DO-214AAB/SMC
- SBD104D1 Max. VRRM: 40V
- Maximum RMS Voltage: 28V
- Maximum VDC: 40V
- Average Rectified Current: 1A
- IF(RMS): 2A
- CJ: 155pF
- Highlight: **SBD104D1, SBD104D1 Schottky Barrier Rectifiers**



More Images



Product Description

SOD-123FL Package Schottky Barrier Rectifiers SBD102D1~SBD120D1 20 to 200VRRM SBD104D1

Schottky Barrier Rectifiers SBD102D1~SBD120D1 DATASHEET: [SBD102D1~SBD120D1\(SOD-123FL\)_v2109.1.pdf](#)

The Features of Schottky Barrier Rectifiers SBD104D1 :

Fast switching speed
Surface mount package ideally suited for automatic insertion
Schottky Barrier Rectifiers SBD104D1 has Low power loss, high efficiency
SBD104D1 Lead free in compliance with EU RoHS 2.0
The product SBD104D1 is Green molding compound as per IEC 61249 standard

Mechanical Data of Schottky Barrier Rectifiers SBD104D1:

Case: SOD-123FL, Plastic
Component's Terminals: Solderable per MIL-STD-750, Method 2026
Its Polarity: Color band denotes cathode end
SBD104D1 has Apporx. Weight: 0.0006 ounces, 0.0173 grams

Schottky Barrier Rectifiers SBD104D1 Electrical and Thermal Characteristics (T_A=25 unless otherwise noted):

SBD104D1 Parameter	Symb ol	SBD10 2D1	SBD10 3D1	SBD10 4D1	SBD10 6D1	SBD11 0D1	SBD11 5D1	SBD12 0D1	Un it
SBD104D1 Maximum VRRM	VRRM	20	30	40	60	100	150	200	V
Maximum VRMS	VRMS	14	21	28	42	70	105	140	V
Maximum VDC	VDC	20	30	40	60	100	150	200	V
Average Rectified Current IF(AV)	IF(AV)	1							A
SBD104D1 Forward Current RMS, D=0.5	IF(RM S)	2							A
SBD104D1 Non-repetitive Peak Forward Surge Current at t=8.3ms	IFSM	40					30		A
Maximum VF at IF=1A	VF	0.55			0.7	0.8	0.85		V
SBD104D1 Reverse Leakage Current at VRRM	IR	30							μA
SBD104D1 Typical Thermal Resistance	(Note 1) RθJC	32							/ W
	(Note 2) RθJA	200							
Typical CJ Rating at VR=0V	CJ	155			125	100	85		pF
SBD104D1 Operating Junction Temperature and Storage Temperature Range	TJ,TS TG	-55 to +150							
Notes:1.Mounted on a FR4 PCB, single-sided copper, with 100cm2 copper pad area. 2.Mounted on a FR4 PCB, single-sided copper, mini pad.									

Schottky Barrier Rectifiers SBD104D1 SOD-123FL Package Outline (Unit:inch(mm)):

Plastic surface mounted package; 2 leads

The figure shows the mechanical dimensions of a plastic surface mounted package with two leads. It includes a side view and a top view.

Side View Dimensions:

- A:** Package height.
- C:** Lead thickness.
- E:** Package width.
- H_c:** Cathode pad width.
- Lead Angle:** Indicated as $\angle$ ALL ROUND.

Top View Dimensions:

- D:** Package length.
- E:** Package width.
- g:** Lead spacing.

Bottom View Dimensions:

- g:** Lead spacing.
- pad:** Lead pad width.

Symbol: A rectangular symbol with a circle containing the letter 'A' and a circle containing the letter 'C'.

Symbol	mm		mil	
	max	min	max	min
A	1.40	0.90	55	35
C	0.22	0.12	8	4
D	3.00	2.50	118	98
E	2.10	1.70	82	66
e	1.20	0.80	47	31
g	0.90	0.35	35	13
H _c	3.90	3.50	153	137
∠	7°			

Packaging Information:

Part Number	Component Package	Quantity	Packaging Option
SBD102D1~SBD120D1	SOD-123FL	3000 PCS	per 7" plastic Reel



IF(AV)

 **Shenzhen Socay Electronics Co., Ltd.**

 +8618126201429

 sylvia@socay.com

 socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City,
GuangDong Province, China