



40VRRM SBD Schottky Diode SS34A 28VRMS 3A I(AV) 0.55 VF DO-214AC

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: SS34A
- Minimum Order Quantity: 5000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- SBD Name: Schottky Barrier Diode
- SBD Package: DO-214AC(SMA)
- SBD Max. VRRM: 40V
- Diode Max. VRMS: 28V
- SBD Max. VDC: 40V
- Max. Average Forward Rectified Current: 3A
- IFSM: 100A
- VF: 0.55V
- Highlight: DO-214AC Schottky Diode, Schottky Diode SS34A, SS34A



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Product Description

40VRRM SBD Schottky Diode SS34A 28VRMS 3A I(AV) 0.55 VF DO-214AC

SBD Schottky Diode DATASHEET: [SS32A~SS320A\(SMA\)_v2205.1.pdf](#)

40VRRM Schottky Diode SS34A Features:

Guardring for overvoltage protection

Very small conduction losses

Extremely fast switching

Low forward voltage drop is nice

For surface mounted applications

Solder dip 260 , 40 s

Component in accordance to RoHS 2002/95/EC and WEEE 2002/96/EC

40VRRM Schottky Diode SS34A Mechanical Data:

Schottky Diode SS34A Case: JEDEC SMA molded plastic

SS34A Terminals: Solder plated, solderable per J-STD-002B and JESD22-B102D

Schottky Diode Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.07 grams

Schottky Diode SS34A Main Ratings and Features:

Schottky Diode $I_{F(AV)}$	3.0A
Schottky Diode V_{RRM}	20 V to 200 V
SS34A I_{FSM}	100A
Schottky Diode V_F	0.45V, 0.55V, 0.70V, 0.85V, 0.95V
T_J max.	125

Schottky Diode SS34A Max. Ratings & Thermal Characteristics:

Ratings at 25 ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

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Parameter	Symb ol	SS32 A	SS33 A	SS34 A	SS35 A	SS36 A	SS38 A	SS310 A	SS315 A	SS320 A	Uni t	
Maximum repetitive peak reverse voltage	VRRM	20	30	40	50	60	80	100	150	200	V	
Maximum RMS voltage	VRMS	14	21	28	35	42	56	70	105	140	V	
Maximum DC blocking voltage	VDC	20	30	40	50	60	80	100	150	200	V	
Maximum average forward rectified current	I(AV)	3.0									A	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	100									A	
Maximum instantaneous forward voltage at 3.0A	VF	0.45	0.55	0.70			0.85			0.95	V	
Maximum DC reverse current at rated DC blocking voltage	TA=25 IR	0.5							0.2		mA	
	TA=100	20					10		2			
Typical junction capacitance	CJ	500.0				300.0					pF	
Typical thermal resistance	RθJA	88.0										/W
Operating junction temperature range	TJ	-65 to +125					-65 to +150					
Storage temperature range	TSTG	-65 to +150										

Note: Measured at 1MHz and applied reverse voltage of 4.0V D.C.

Mounted on 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas.

Schottky Diode SS34A Dimensions:

DO-214AC (SMA)		Dimensions			
Dim		Inches		Millimeters	
		Min	Max	Min	Max
A		0.067	0.093	1.7	2.36
B		0.049	0.067	1.25	1.7
C		0.002	0.008	0.05	0.2
D		--	0.02	--	0.51
E		0.03	0.06	0.76	1.52
G		0.185	0.209	4.7	5.31
H		0.157	0.185	4	4.7
J		0.086	0.11	2.18	2.8

Schottky Diode SS34A Notice:

Schottky Diode SS34A is intended for use in general electronics applications.

Schottky Diode SS34A should be worked less than the ratings; if exceeded, it may cause permanent damage. so ensure safety.

The absolute maximum ratings of Schottky Diode SS34A are rated values and must not be exceeded during operation. The following are the general derating methods you design a circuit with a device.



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