SS34B THRU SS320B

Schottky Diodes Reverse Voltage-40to200v Forward current-3A

Features

Schottky chip

Ldeal for surface mounted applications

Low forward voltage drop, Low power loss, high efficiency

Plastic Case Material has UL Flammability

Mechanical Data

Package: SMB

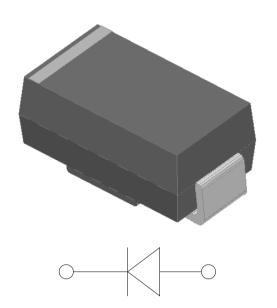
Terminals:Tin Plated leads, solderable per

Mil-STD-750 Method 2026

Polarity: As marked

Molding compound meets UL 94 V-0 flammability rating,

ROHS-compliant



Maximum Ratings (Ta=25° Unless otherwise specified)

Maximum ratings (14 25 © Shiese strict wise specified)								
Type Number	SYMBOL	SS34B	SS36B	SS38B	SS310B	SS315B	SS320B	Umit
Maximum Recurrent Peak Reverse Voltage		40	60	80	100	150	200	V
Maximum RMS Voltage	V_{RMS}	28	42	56	70	105	140	V
Maximum DC Blocking Voltage	V_{DC}	40	60	80	100	150	200	V
Maximum Average Forward Rectified Current	IO _(AV)	3.0				Α		
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	60.0			Α			
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25°C		120.0				Α		
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l ² t	14.9				A ² S		
Maximum Forward Voltage at 3.0A DC	V _{FM}	0.55	0.75	0	.85	0.	92	V
Maximum Reverse Current TA = 25℃	IR	0.1 0.05		mA				
at Rated DC Blocking Voltage TA = 100℃	IK .	20 10		mA				
Typical Thermal Resistance	R_{QJA}	65.0		.C\M				
Operating Junction Temperature Range	T _J	—55to+150		$^{\circ}\!\mathbb{C}$				
Storage Temperature Range	T _{STG}	55to+150			$^{\circ}\!$			
	-	•						

SS34B THRU SS320B

FIG. 1MAXIMUM AVERAGE FORWARD CURRENT DERATING

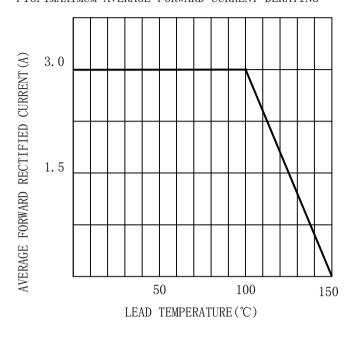


FIG. 2TYPICAL FORWARD CHARACTERISTICS

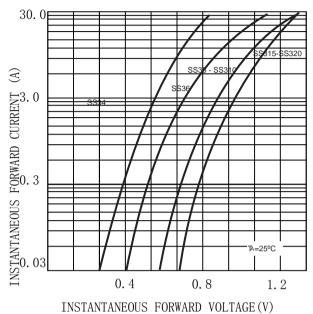


FIG. 3MAXIMUM NON-REPEITIVE SURGE CURRENT

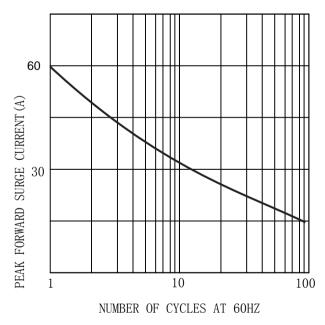
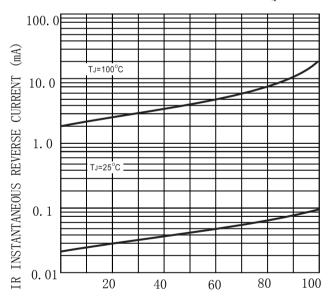


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)



PERCENT OF RATED PEAK REVERSE VOLTAGE (%)

MARKING INFORMATION



= Logo

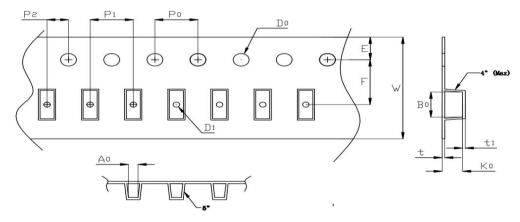
**** = Date Code Marking

SS**= Marking Code

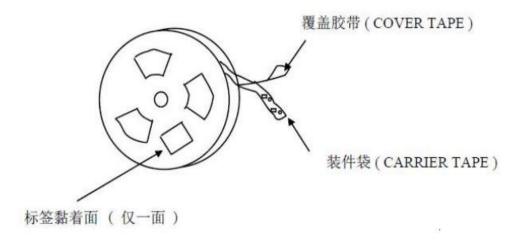
Print according to customer request

PACKING REQUIRMENTS

Carrier tape packing



	Specificati ons	Carrier tape type	Ao	Во	Ко	Ро	W	t	Exiplain
Ī	SMB	Anti-static	3.8± 0.10	5.4± 0.10	2.45± 0.10	4.00± 0.10	12.0± 0.10	0.23± 0.05	

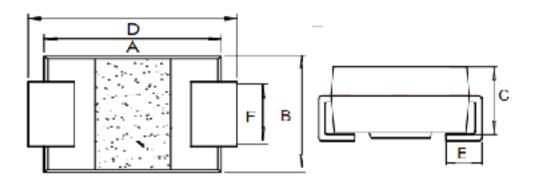


DEVICE TYPE	Tape width	13"Reel				
		Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)		
SMB	12mm	3000	20	60000		



Outline Dimensions

SMB



SMB						
DIM	INC	HES	MM			
	MIN	MAX	MIN	MAX		
A	0. 16	0. 19	4	4.8		
В	0. 13	0.15	3.3	3. 9		
С	0.08	0.10	2	2.5		
D	0.18	0.22	4.5	5. 5		
Е	0.03	0.06	0.7	1.5		
F	0.06	0.10	1.5	2.5		

SS34B THRU SS320B

Important Statements and disclaimers.

Do not copy or modify file information without permission.

Xumao Micro reserves the right to modify this document and its products.

Specifications are available without prior notice. Customer shall 。 obtain and confirm the latest product information and specifications prior to final design, purchase or use.

Xumao Micro does not assume any implied warranties, including warranties of fitness for special purposes, non-infringement and merchantability.

The products shown here are not designed and licensed for demanding equipment at a level of reliability or for human life and any life-saving related applications or life-sustaining, such as medical devices, transportation equipment, aerospace machinery, and so on. Customers who use or sell these products for such applications do so at their own risk.

As Xumao Micro uses batch number as tracking benchmark, please provide batch number for tracking in case of exception.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Schottky Diodes & Rectifiers category:

Click to view products by XUMAO manufacturer:

Other Similar products are found below:

MA4E2039 MMBD301M3T5G HFA35HB60C RB160M-50TR D83C BAS16E6433HTMA1 BAS 3010S-02LRH E6327 BAT 54-02LRH E6327 NRVBAF360T3G NSR05F40QNXT5G NTE555 JANS1N6640 SS3003CH-TL-E GA01SHT18 CRS10I30A(TE85L,QM MBRA140TRPBF MBRB30H30CT-1G BAT 15-04R E6152 JANTX1N5712-1 DMJ3940-000 SB007-03C-TB-E NRVBB20100CTT4G NRVBM120LT1G NTSB30U100CT-1G CRG04(T5L,TEMQ) ACDBA1100LR-HF ACDBA1200-HF ACDBA240-HF ACDBA3100-HF CDBQC0530L-HF ACDBA260LR-HF ACDBA1100-HF 10BQ015-M3/5BT NRVBM120ET1G VSSB410S-M3/5BT 1N5819T-G PDS1040Q-13 B160BQ-13-F SDM05U20CSP-7 BAS 70-07 E6433 B140S1F-7 HSM560Je3/TR13 DDB2265-000 ZHCS506QTA HSM190Je3/TR13 B330AF-13 ACDBUC0230-HF SDM1U100S1F-7 MBR10200CTF-G1 CDLL5712