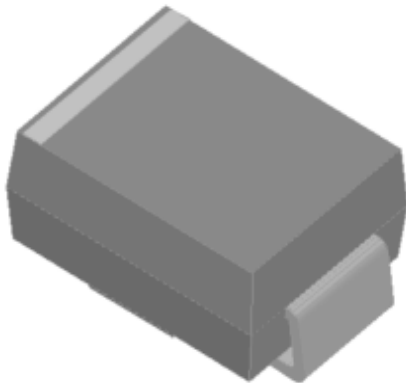



# SS32B THRU SS320B

## Surface Mount General Purpose Rectifier

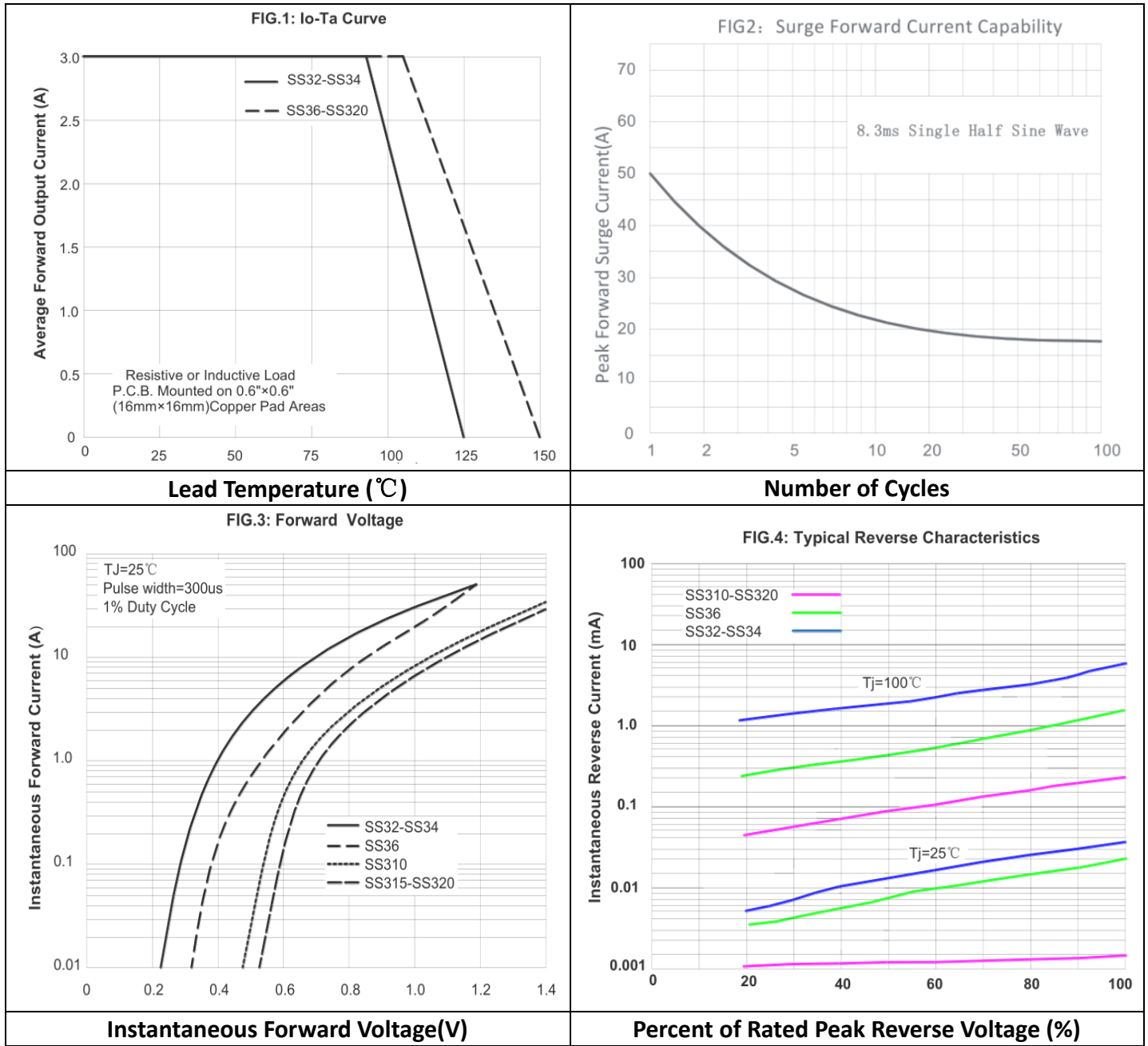
### ● essential information; basic information

<p><b>Features</b></p> <ul style="list-style-type: none"> <li>● Low profile package</li> <li>● Ideal for automated placement</li> <li>● Glass passivated chip junction</li> </ul> <p><b>Typical Applications</b></p> <p>For use in general purpose rectification of powersupplies, inverters, converters, and freewheeling diodes for consumer, and telecommunication.</p> <p><b>Mechanical Data</b></p> <ul style="list-style-type: none"> <li>● Package: DO-214AA (SMB)</li> </ul> <p>Molding compound meets UL 94 V-0 flammabilityrating, RoHS-compliant</p> <ul style="list-style-type: none"> <li>● Terminals: Tin plated leads, solderable perJ-STD-002 and JESD22-B102</li> <li>● Polarity: Cathode line denotes the cathode end</li> </ul>	 
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### ● Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	SS32B	SS34B	SS36B	SS38B	SS310B	SS315B	SS320B
Maximum Repetitive peak reverse voltage	VRRM	V	20	40	60	80	100	150	200
Average rectified output current@60Hz sine wave, resistance load, TL (Fig.1)	IO	A	3.0						
Forward Surge Current (Non-repetitive)@60Hz Half-sine wave,1 cycle, Tj=25°C	IFSM	A	50						
Storage temperature	Tstg	°C	-55 ~ +150						
Junction temperature	Tj	°C	-55 ~ +125			-55 ~ +150			
Maximum instantaneous forward voltage drop per diode	VF (IFM=3.0A)	V	0.6		0.7	0.85		0.95	
Maximum DC reverse current at rated DC blocking voltage per diode @VRM=VRRM	IR (Tj=25°C)	mA	0.5			0.1			
	IR (Tj=100°C)		10			5			

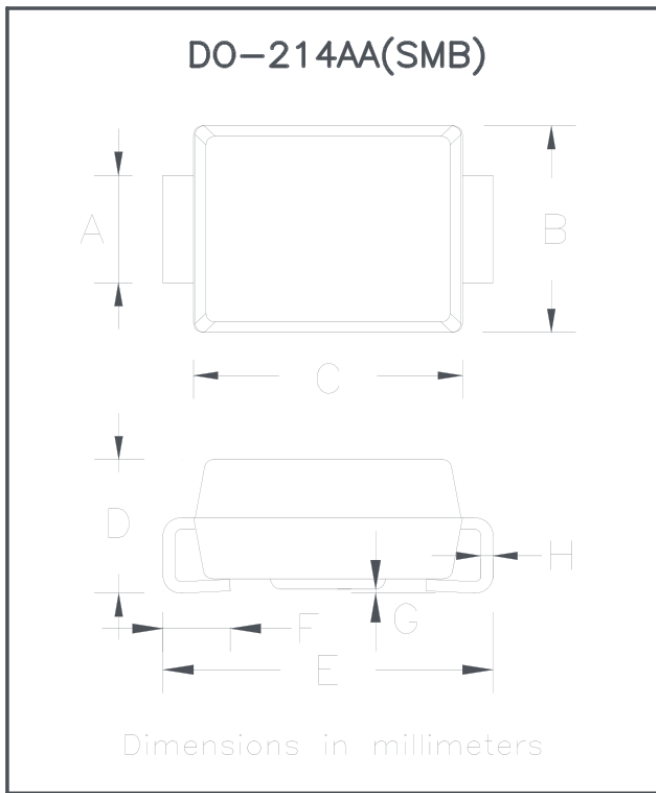
## ● Characteristics (Typical)



## ● Ordering Information (Example)

type specification	manner of packin	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
SS32B-SS320B (SMB)	T/B	3000	6000	60000	13" reel

## ● Outline Dimensions



DO-214AA(SMB)		
Dim	Min	Max
A	1.85	2.15
B	3.30	3.94
C	4.05	4.75
D	1.99	2.61
E	5.21	5.59
F	0.90	1.41
G	0.10	0.20
H	0.15	0.31

## ● Disclaimer

The information presented in this document is for reference only. right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), chenglitai or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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