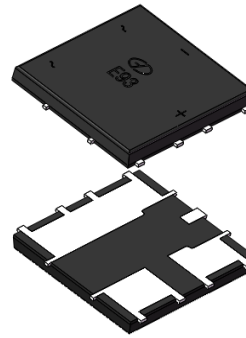


## Features

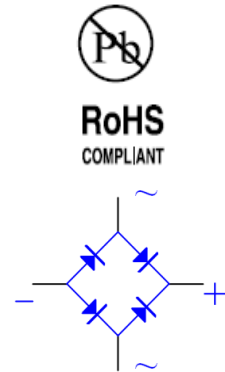
- Low forward voltage drop
- Low leakage current
- Solder dip 260 °C, 10 s
- Ideal for automated placement
- Glass passivated standard bridge rectifiers
- Moisture sensitivity: level 1, per J-STD-020
- Low profile, Typical Height 1.3mm

## Typical Applications

For use of general purpose AC to DC bridge rectification in power supply, charger, office appliance, home appliance and telecom device.



case: E93



## Maximum Ratings (TA = 25 °C unless otherwise noted)

Parameter	Symbol	E9335AA	E9336AA	Unit
Maximum repetitive peak reverse voltage	VRRM	600	800	V
Maximum RMS voltage	VRMS	420	560	V
Maximum DC blocking voltage	VDC	600	800	V
Maximum average output rectified current	Io(AV)	3.0		A
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load	IFSM	80		A
Rating for fusing(t<8.3ms)	I <sup>2</sup> t	26.7		A <sup>2</sup> sec
Operating junction and storage temperature range	TJ, TSTG	- 55 to + 150		°C

## Electrical Characteristics (TA = 25 °C unless otherwise noted)

Parameter	Test Conditions	Symbol	E9335AA	E9336AA	Unit
Maximum instantaneous forward voltage	IF=1.5A, TA=25°C	V <sub>F</sub>	0.95		Volts
Maximum DC reverse current at rated DC blocking voltage	TA=25°C	I <sub>R</sub>	5		μA
	TA=125°C		250		
Typical junction capacitance <sup>(1)</sup>		C <sub>J</sub>	22.7		pF

## Thermal Characteristics

Parameter	Symbol	E9335AA	E9336AA	Unit
Typical thermal resistance <sup>(2)</sup>	R <sub>θJA</sub>	24		°C/W
	R <sub>θJC</sub>	7.2		

Notes:

1. Measured at 1.0MHz and applied reverse voltage of 4.0 D.C.

2. On glass epoxy PCB, mounted recommended copper pad areas



# E9335AA thru E9336AA

Low Profile Surface Mount Single Phase Bridge Rectifiers  
 Reverse Voltage 600~800V Output Current 3A

## Ratings and Characteristics Curves

(TA = 25°C unless otherwise noted)

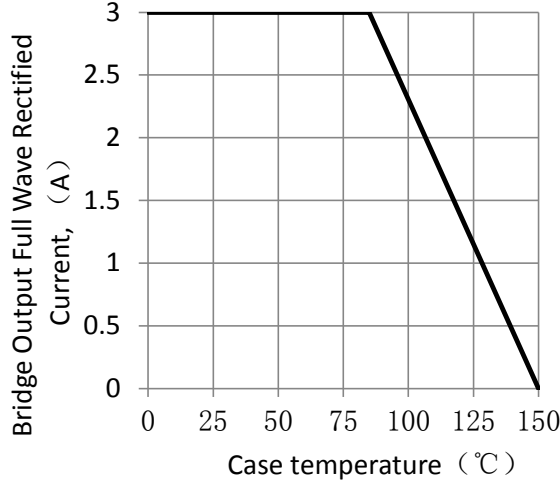


Figure 1. Output Rectifier Current Derating Curve

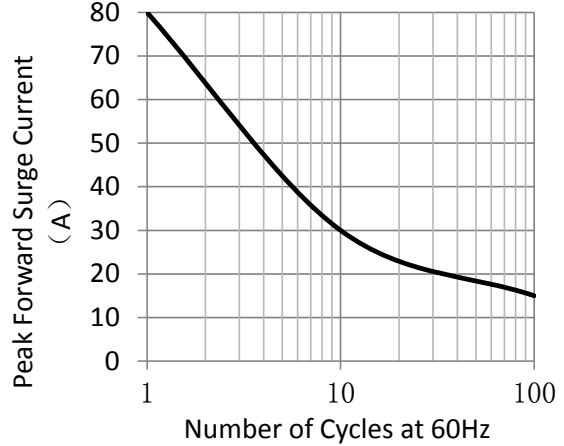


Figure 2. Maximum Non-Repetitive Peak Forward Surge Current

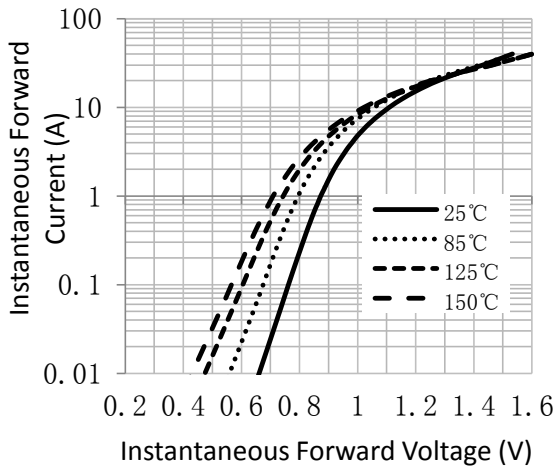


Figure 3. Typical Forward Characteristics

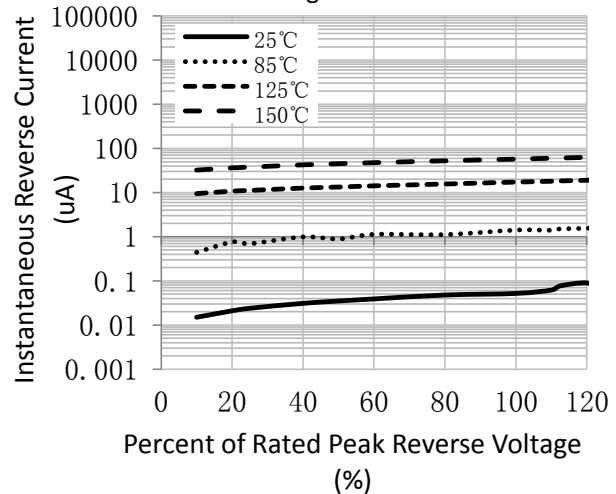


Figure 4. Typical Reverse Characteristics

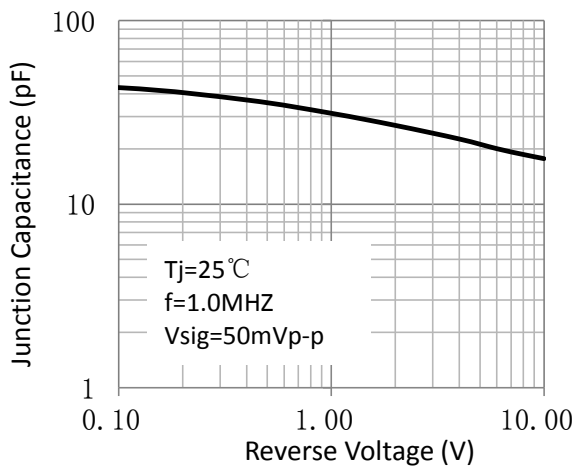
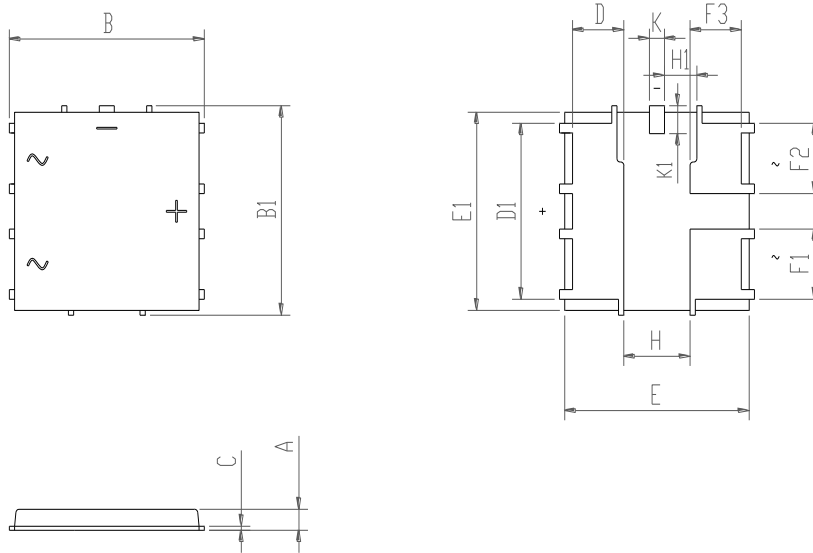


Figure 5. Typical Junction Capacitance

## Package Outline Dimensions

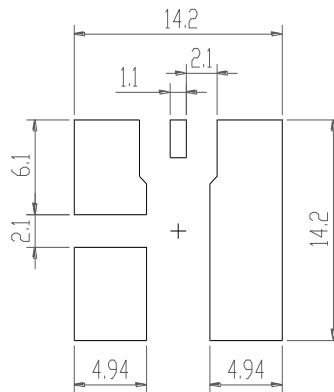


unit:mm

Dim	Min	Nom.	Max	Dim	Min	Nom.	Max
A	1.15	1.30	1.45	F1	4.16	4.36	4.56
B	12.75	13.0	13.25	F2	4.16	4.36	4.56
B1	12.75	13.0	13.25	F3	3.20	3.40	3.60
C	0.20	0.25	0.40	H	4.12	4.42	4.72
D	3.20	3.40	3.60	H1	2	2.15	2.35
D1	10.72	10.9	11.12	K	0.85	1.0	1.15
E	12.15	12.30	12.45	K1	1.45	1.7	1.95
E1	12.15	12.30	12.45				

## Soldering Footprint

unit:mm





# **E9335AA thru E9336AA**

Low Profile Surface Mount Single Phase Bridge Rectifiers  
Reverse Voltage 600~800V Output Current 3A

## **Disclaimers**

These materials are intended as a reference to assist our customers in the selection of the Suzhou Good-Ark product best suited to the customer's application; they do not convey any license under any intellectual property rights, or any other rights, belonging to Suzhou Good-Ark Electronics Co., Ltd. or a third party.

Suzhou Good-Ark Electronics Co., Ltd. assumes no responsibility for any damage, or infringement of any third-party's rights, originating in the use of any product data, diagrams, charts, programs, algorithms, or circuit application examples contained in these materials.

All information contained in these materials, including product data, diagrams, charts, programs and algorithms represents information on products at the time of publication of these materials, and are subject to change by Suzhou Good-Ark Electronics Co., Ltd. without notice due to product improvements or other reasons. It is therefore recommended that customers contact Suzhou Good-Ark Electronics Co., Ltd. or an authorized Suzhou Good-Ark Electronics Co., Ltd. for the latest product information before purchasing a product listed herein. The information described here may contain technical inaccuracies or typographical errors. Suzhou Good-Ark Electronics Co., Ltd. assumes no responsibility for any damage, liability, or other loss rising from these inaccuracies or errors. Please also pay attention to information published by Suzhou Good-Ark Electronics Co., Ltd. by various means, including our website home page. (<http://www.goodark.com>)

When using any or all of the information contained in these materials, including product data, diagrams, charts, programs, and algorithms, Please be sure to evaluate all information as a total system before making a final decision on the applicability of the information and products. Suzhou Good-Ark Electronics Co., Ltd. assumes no responsibility for any damage, liability or other loss resulting from the information contained herein.

The prior written approval of Suzhou Good-Ark Electronics Co., Ltd. is necessary to reprint or reproduce in whole or in part these materials.

Please contact Suzhou Good-Ark Electronics Co., Ltd. or an authorized distributor for further details on these materials or the products contained herein.