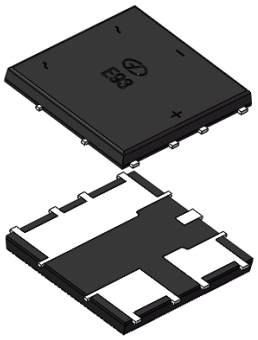
E9335AU thru E9336AU

Low Profile Surface Mount Single Phase Bridge Rectifiers

Reverse Voltage 600~800V Output Current 3A

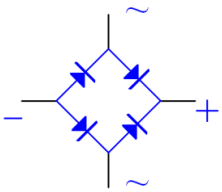
Features

- 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



case: E93

RoHS COMPLIANT



Typical Applications

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

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

Parameter	Symbol	E9335AU	E9336AU	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	120		A
Rating for fusing(t<8.3ms)	I^2t	60.0		A^2sec
Operating junction and storage temperature range	TJ, TSTG	- 55 to + 150		°C

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

Parameter	Test Conditions	Symbol	E9335AU	E9336AU	Unit
Maximum instantaneous forward voltage	IF=1.5 A, TA=25℃	V_F	0.95		Volts
	IF=3.0 A, TA=25℃		1.1		
Maximum DC reverse current at rated DC blocking voltage	TA=25℃	I_R	5		μA
	TA=125℃		250		
Typical junction capacitance(1)		C_J	32.0		pF

Thermal Characteristics

Parameter	Symbol	E9335AU	E9336AU	Unit
Typical thermal resistance(2)	$R_{\theta JA}$	24		℃/W
	$R_{\theta JC}$	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

Ratings and Characteristics Curves

(TA = 25℃ unless otherwise noted)

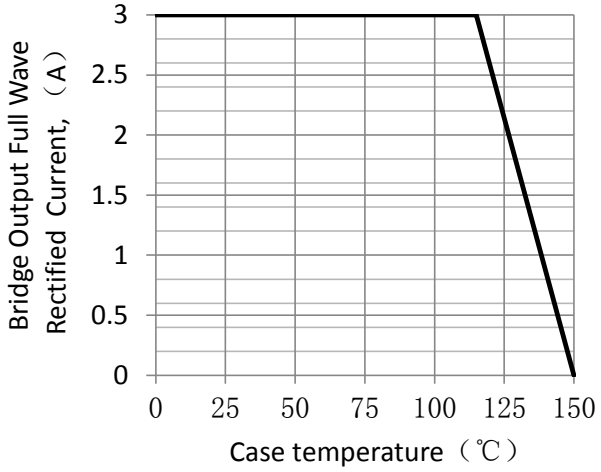


Figure 1.Output Rectifier Current Derating Curve

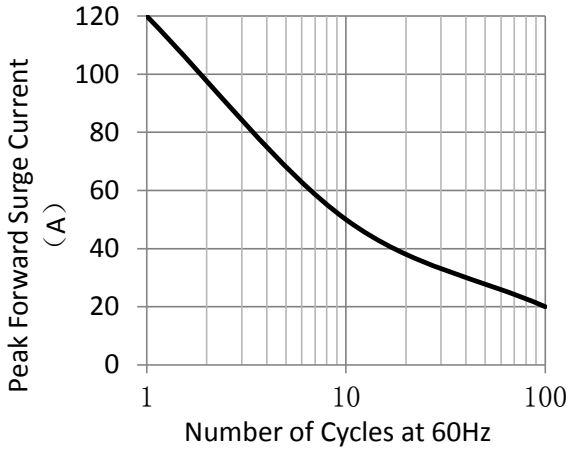


Figure 2.Maximum Non-Repetitive Peak Forward Surge Current

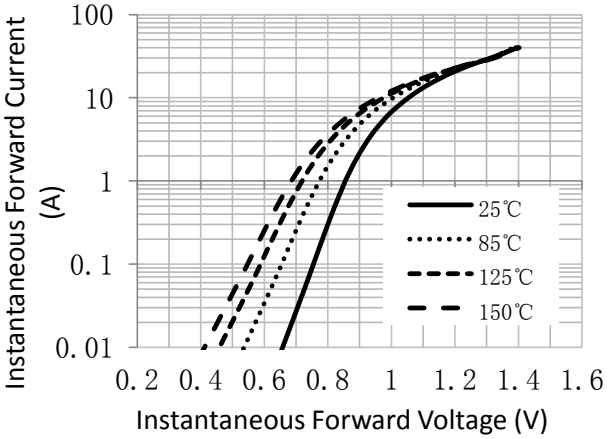


Figure 3. Typical Forward Characteristics

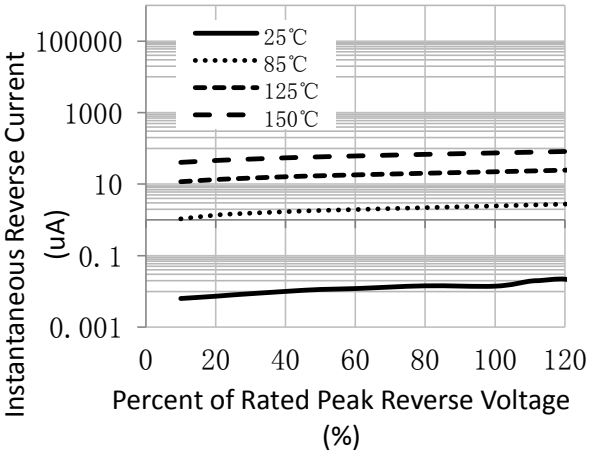


Figure 4. Typical Reverse Characteristics

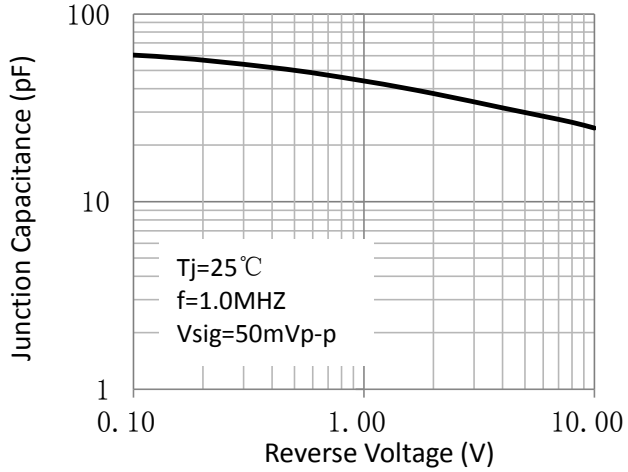
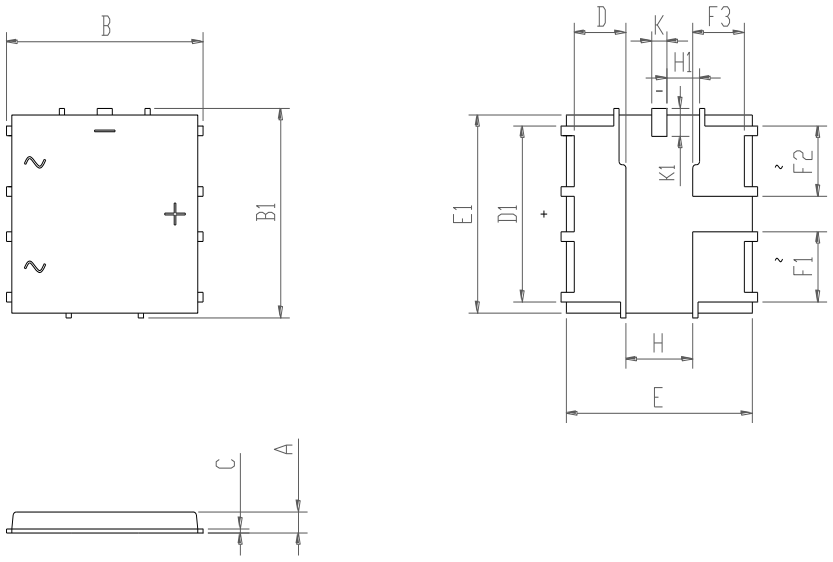


Figure 5. Typical Junction Capacitance

Package Outline Dimensions

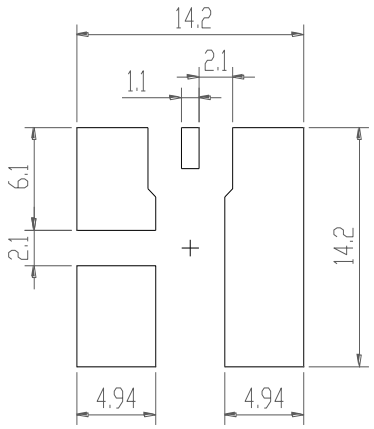


unit:mm

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



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