

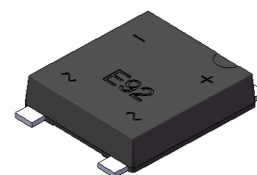


E92305A thru E92306A

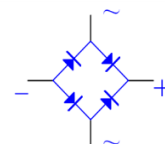
Surface Mount Glass Passivated Single Phase Bridge Rectifier
Reverse Voltage 600~800V Output Current 3.0A



RoHS
COMPLIANT



case: E92



Features

- Glass passivated Bridge Rectifiers
- Ideal for automated placement
- Very low profile - max height 1.4 mm
- Moisture sensitivity: level 1, per J-STD-020
- High temperature soldering guaranteed: 260°C/10 seconds

Mechanical Data

- Case:E92,Molding compound meets UL 94V-0 flammability rating
- Terminals:Matte tin plated leads,solderable per MII-STD-750 Method 2026,J-STD-002 and JESD22-B102

Typical Applications

General purpose use in ac-to-dc bridge full wave rectification for TV,Monitor,SMPS,Adapter, Printer,Audio equipment,and Home Applications application

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

Parameter	Symbol	E92305A	E92306A	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) ¹⁾	3.0		A
	Io(AV) ²⁾	2.5		
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load	IFSM	95		A
Rating for fusing (t≤8.3ms)	I ² t	38		A ² s
Operating junction and storage temperature range	TJ, TSTG	-55 to +150		°C

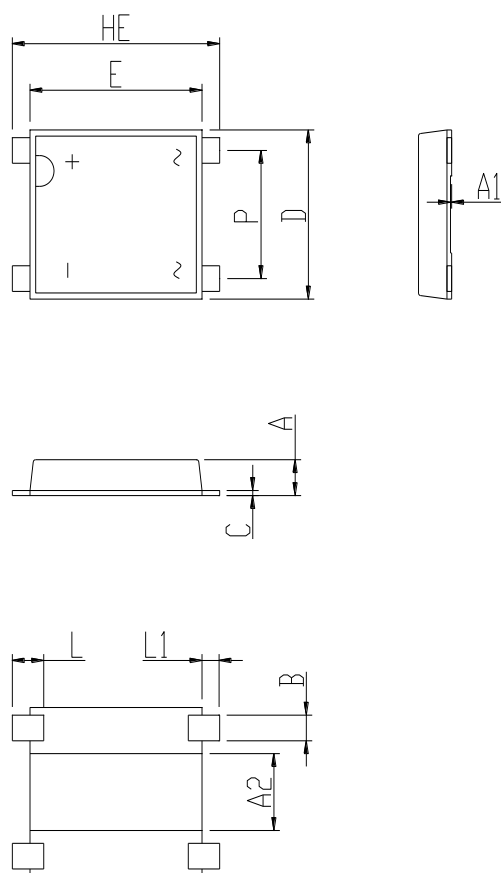
Electrical Characteristics (TA = 25 °C unless otherwise noted)

Parameter	Test Conditions	Symbol	E92305A	E92306A	Unit
Maximum Instantaneous forward voltage	IF=1.5A,Ta=25℃	V _F	1.0		Volts
	IF=1.5A,Ta=125℃		0.95		
	IF=3.0A,Ta=25℃		1.05		
	IF=3.0A,Ta=125℃		0.95		
Maximum DC reverse current at rated DC blocking voltage	Ta=25℃	I _R	5.0		μA
	Ta=125℃		100		
Typical junction capacitance	4.0 V, 1 MHz	C _J	32		pF
Typical thermal resistance ²⁾	junction to ambient	R _{θJA}	TBD		℃/W
	junction to case	R _{θJC}	TBD		

Note 1). mounted recommended copper pad areas with Al substrate PCB

2). mounted 13*13mm copper pad areas with FR-4 PCB

Package Outline Dimensions

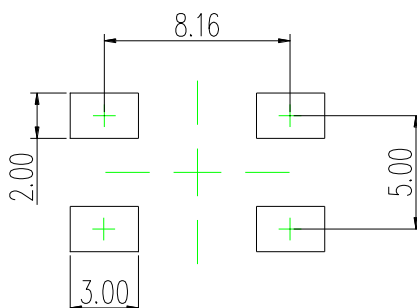


unit:mm

Dim	Min	Nom.	Max
HE	8.55	8.75	8.95
E	7.06	7.26	7.46
D	6.40	6.6	6.80
P	4.80	5.0	5.20
A	1.30	1.4	1.50
C	0.18	0.2	0.30
L	1.00	1.30	1.50
L1	0.60	0.75	1.00
B	0.85	1.0	1.15
A1	-	0.05	-
A2	-	3.0	-

Soldering Pad Reference

Unit:mm





E92305A thru E92306A

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