



E92205A thru E92206A

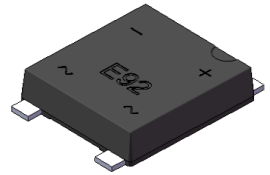
Surface Mount Glass Passivated Single Phase Bridge Rectifier
Reverse Voltage 600~800V Output Current 2.0A

Features

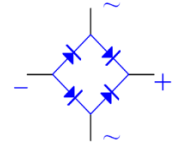
- Glass passivated Bridge Rectifiers
- Ideal for automated placement
- Very low profile - max height 1.4 mm
- Moisture sensitivity: level 1, per J-STD-020
- High temperature soldering guaranteed: 260°C/10 seconds



RoHS
COMPLIANT



case: E92



Mechanical Data

- Case:E92,Molding compound meets UL 94V-0 flammability rating
- Terminals:Matte tin plated leads,solderable per MII-STD-730 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	E92205A	E92206A	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)	2.0		A
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load	IFSM	75		A
Rating for fusing (t≤8.3ms)	I ² t	23		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	E92205A	E92206A	Unit
Maximum instantaneous forward voltage	IF=1.0A,Ta=25°C	VF	1.0		Volts
	IF=1.0A,Ta=125°C		0.90		
	IF=2.0A,Ta=25°C		1.05		
	IF=2.0A,Ta=125°C		0.95		
Maximum DC reverse current at rated DC blocking voltage	TA=25°C	IR	5.0		µA
	TA=125°C		100		
Typical junction capacitance	4.0 V, 1 MHz	CJ	15		pF
Typical thermal resistance	junction to ambient ¹⁾	RθJA	TBD		°C/W
	junction to case ¹⁾	RθJC	TBD		

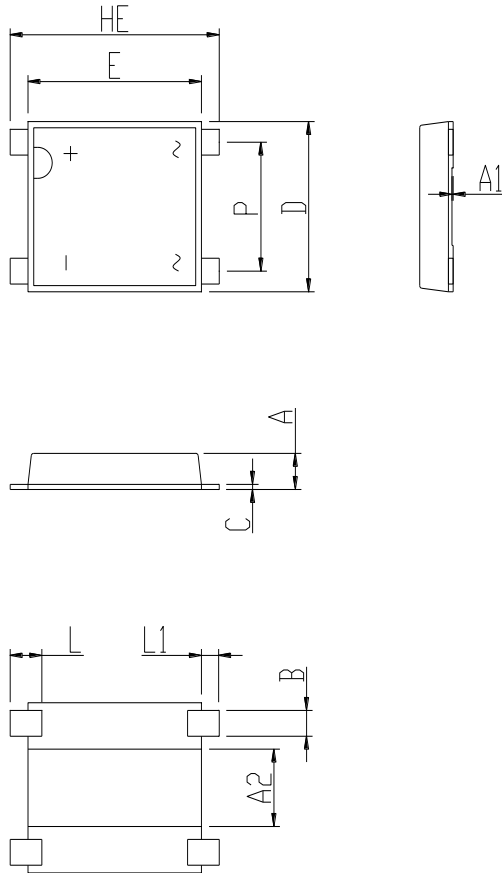
Note 1), The thermal resistance from junction to ambient and case, mounted on glass epoxy FR-4 P.C.B with 13*13mm copper pads



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Package Outline Dimensions

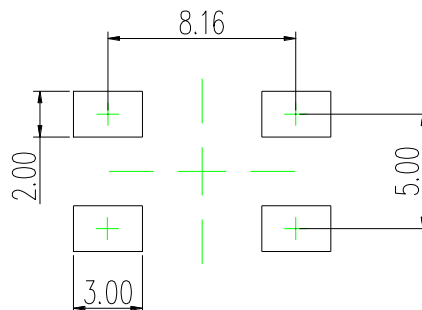


unit:mm

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





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