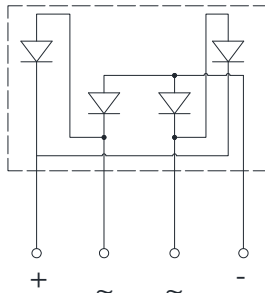
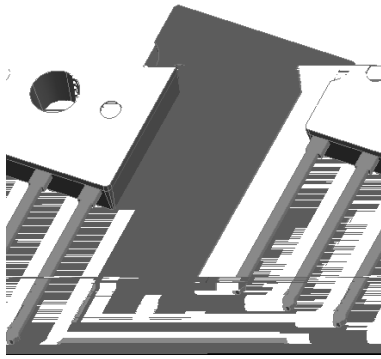


Bridge Rectifiers



Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Ideal for printed circuit boards
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridge full wave rectification for monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.

Mechanical Data

Package: D3K

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: As marked on body

Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	D4UB05A	D4UB10A	D4UB20A	D4UB40A	D4UB60A	D4UB80A	D4UB100A
Device marking code			D4UB05A	D4UB10A	D4UB20A	D4UB40A	D4UB60A	D4UB80A	D4UB100A
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load	With heatsink $T_c=138$	IO	A	4.0					
	Without heatsink $T_a=25$			1.3					
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$	IFSM	A	135						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$			250						
Current squared time @1ms t 8.3ms $T_j=25$, Rating of per diode	I ² t	A ² s	62.5						
Storage temperature	T _{stg}		-55 ~ +150						
Junction temperature	T _j		-55 ~ +150						
Dielectric strength @ Terminals to case, AC 1 minute	V _{dis}	KV	2						
Mounting torque @Recommend torque 5kg cm	Tor	kg cm	8						



Outline Dimensions

D3K		
Dim	Min	Max
A	13.30	14.30
B	10.30	11.30



D4UB05A THRU D4UB100A

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