



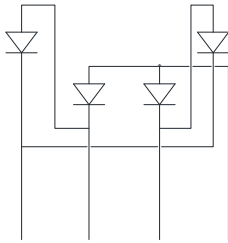
Bridge Rectifiers

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 (Ta=25 Unless otherwise specified)

Parameter	Symbol	Unit	Value
Forward Current (Continuous)	IF	A	4.0
Forward Current (Average)	IF(AV)	A	1.3
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Tj=25	IFSM	A	135
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25	IFSM	A	250
Current squared time @1ms to 8.3ms Tj=25, Rating of per diode	I ² t	A ² s	62.5
Storage temperature	Tstg		-55 ~ +150
Junction temperature	Tj		-55 ~ +150
Dielectric strength @ Terminals to case, AC 1 minute	Vdis	KV	2
Mounting torque @Recommend torque 5kg cm	Tor	kg cm	8



D4UB05 THRU D4UB100

Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	D4UB05	D4UB10	D4UB20	D4UB40	D4UB60	D4UB80	D4UB100
Maximum instantaneous forward voltage drop per diode	V_F	V	IFM=2.0A				1.0			
Maximum DC reverse current at rated DC blocking voltage per diode	IR	μA	$T_j=25$				5			
			$T_j=125$				100			
Typical junction capacitance	C_j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C				40			

Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	D4UB05	D4UB10	D4UB20	D4UB40	D4UB60	D4UB80	D4UB100
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Thermal
resistance

D4UB05 THRU D4UB100



D4UB05 THRU D4UB100

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