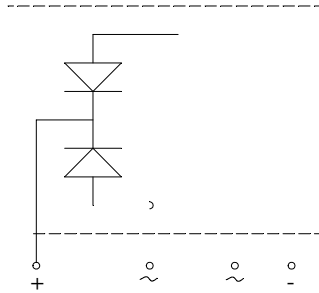
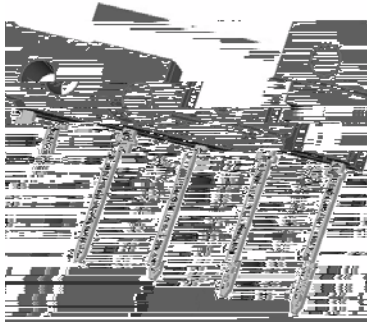


Bridge Rectifiers



Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Thin single in-line package
- 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 switching power supply, home appliances, office equipment, industrial automation applications.

Mechanical Data

Package: JB

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

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	D10JB05	D10JB10	D10JB20	D10JB40	D10JB60	D10JB80	D10JB100
Device marking code			D10JB05	D10JB10	D10JB20	D10JB40	D10JB60	D10JB80	D10JB100
Maximum Repetitive Peak Reverse Voltage	VRRM						V _C		With heatsink T _C =95
							Current @60Hz sine wave, R-load		

	τ	A ² S					127		
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		



D10JB05 THRU D10JB100

Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	D10JB05	D10JB10	D10JB20	D10JB40	D10JB60	D10JB80	D10JB100
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_{FM}=5.0A$					1.0		
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	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					53		

Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	D10JB05	D10JB10	D10JB20	D10JB40	D10JB60	D10JB80	D10JB100
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Outline Dimensions

JB		
Dim	Min	Max
A	24.7	25.3
B	11.4	12.0
C	10.0	10.6
D	0.9	1.1
E	1.75(MAX)	



D10JB05 THRU D10JB100

Disclaimer

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