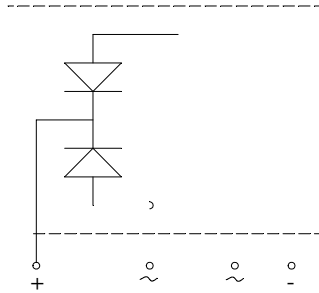
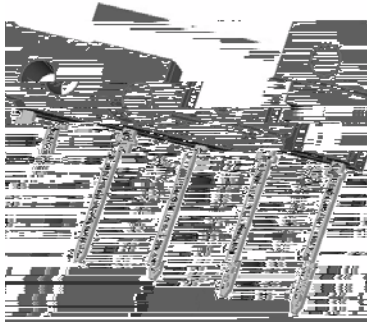


Bridge Rectifiers



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						VC		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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