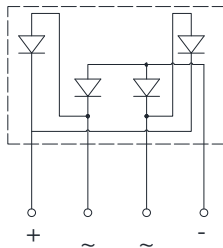
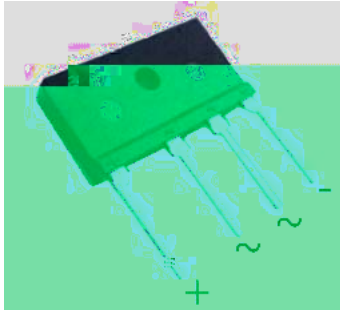


Bridge Rectifiers



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:** JA
- 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	D15JA05	D15JA10
Forward Current (Non-repetitive)	I _F	A	1.0	1.0
Reverse Current (Non-repetitive)	I _R	μA	5.0	5.0
Forward Surge Current (Non-repetitive)	I _{FSM}	A	220	220
Current squared time	I ² t	A ² S	200	200
Storage temperature	T _{stg}		-55 ~ +150	-55 ~ +150
Junction temperature	T _j		-55 ~ +150	-55 ~ +150
Dielectric strength	V _{dis}	KV	2	2
Mounting torque	Tor	kg cm	8	8



D15JA05 THRU D15JA100

Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	D15JA05	D15JA10	D15JA20	D15JA40	D15JA60	D15JA80	D15JA100
Maximum instantaneous forward voltage drop per diode	V_F	V	IFM=7.5A	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	70						

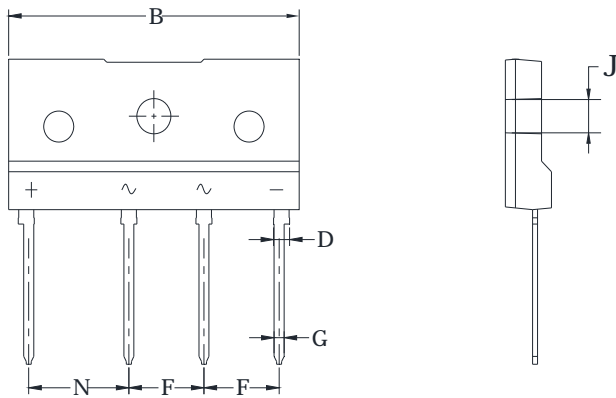
Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	D15JA05	D15JA10	D15JA20	D15JA40	D15JA60	D15JA80	D15JA100
Thermal Resistance	Between junction and ambient, Without heatsink	R J-A	/W	22.0					
	Between junction and case, With heatsink	R J-C		1.5					

Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.



Outline Dimensions



Dimensions in millimeters



D15JA05 THRU D15JA100

Disclaimer

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