

Bridge Rectifiers

Features

- UL recognition, file #E230084
- 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

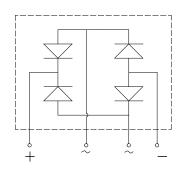
• Terminals: Tin plated leads, solderable per

J-STD-002 and JESD22-B102

• Polarity: As marked on body







■Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	D8JB05	D8JB10	D8JB20	D8JB40	D8JB60	D8JB80	D8JB100
Device marking code			D8JB05	D8JB10	D8JB20	D8JB40	D8JB60	D8JB80	D8JB100
Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000
Average Rectified Output Current @60Hz sine wave,	Io	А	8.0						
R-load, Without heatsink		, ,	3.2						
Surge(non-repetitive)forward current @60Hz half-sine wave, 1 cycle, $T_j=25^{\circ}C$	IFSM	Α	175						
Current squared time @1ms≤t≤8.3ms Tj=25°C,rating of per diode	l ² t	A ² S	127						
Storage Temperature	T _{stg}	°C	-55 ~+150						
Junction Temperature	Tj	°C	-55 ~+150						
Dielectric strength @ terminals to case, AC 1 minute	Vdis	KV	2						
Mounting torque @recommend torque: 5kg • cm	Tor	kg • cm	n 8						

■Electrical Characteristics (T_a=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	D8JB05	D8JB10	D8JB20	D8JB40	D8JB60	D8JB80	D8JB100
Maximum instantaneous forward voltage drop per diode	VF	V	IFM=4.0A				1.00			
Maximum DC reverse current at rated DC blocking voltage per diode	IRRM	μΑ	VRM=VRRM	5						



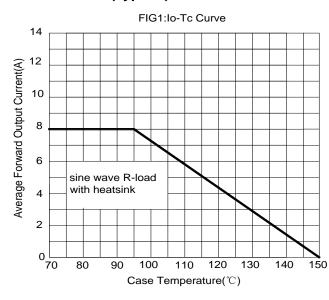
■Thermal Characteristics (Ta=25°C Unless otherwise specified)

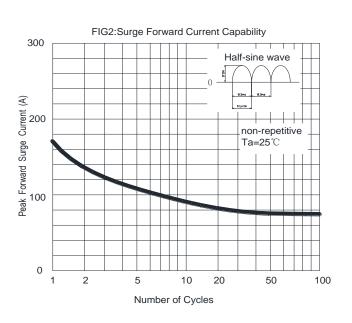
F	PARAMETER	SYMBOL	UNIT	D8JB05	D8JB10	D8JB20	D8JB40	D8JB60	D8JB80	D8JB100
Thermal	Between junction and ambient, Without heatsink	RøJ-A	°€₩	28.0						
Resistance	Between junction and case, With heatsink	R ₀ J-C	C/VV	2.8						

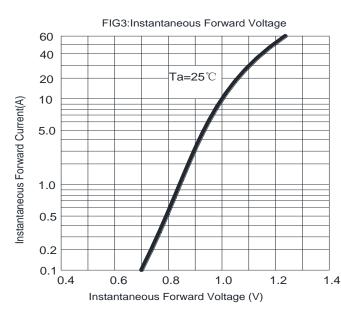
■Ordering Information (Example)

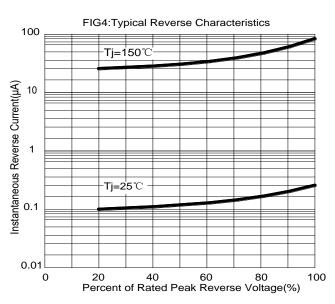
PREFERED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
D8JB05~D8JB100	B1	Approximate 2.4	20	900	1800	Tube

■ Characteristics(Typical)

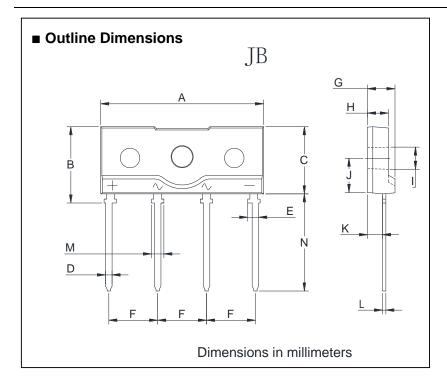












	JB						
Dim	Min	Max					
Α	24.7	25.3					
В	11.4	12.0					
С	10.0	10.6					
D	0.9	1.1					
Е	1.75(MAX)					
F	7.3	7.7					
G	3.9	4.5					
Н	2.9	3.9					
l	3.1	3.4					
J	5.4	6.0					
K	2.0	2.6					
L	0.4	0.6					
М	2.1	2.3					
N	14.6	15.2					

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