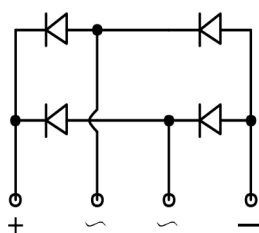


D8JB60 THRU D 8JB100

Single Phase 8.0 AMP Glass Passivated Bridge Rectifier



Features

- Glass passivated die construction.
- Low forward voltage drop.
- High surge current capability.
- Plastic material-UL flammability 94V-0.

Mechanical Data

- Case:JB Molded Plastic.
- Terminals:Plated Leads Solderable per MIL-STD-202,Method208.
- Polarity:As Marked on Case.
- Marking Information: Type Number.
- Mounting Position : Any

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

TYPE NUMBER	SYMBOL	D8JB60	D8JB80	D8JB100	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	600	800	1000	V
Working Peak Reverse Voltage	V_{RWM}				
DC Blocking Voltage	V_{DC}				
RMS Reverse Voltage	V_{RMS}	420	560	700	V
Maximum average forward rectified current	$I_{F(AV)}$	8.0			A
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	160			A
$I^2 t$ Rating for fusing ($t < 8.3ms$)	$I^2 t$	142			A ² s
Forward Voltage per element @ $I_F = 4.0$	V_F	1.1			V
Maximum DC Reverse Current @ $T_A = 25^\circ C$ at Rated DC Blocking Voltage @ $T_A = 125^\circ C$	I_R	8.0 500			μA
Typical Junction Capacitance (Note 1)	C_J	45			pF
Typical Thermal Resistance (Note2)	$R_{\theta JC}$	7			$^\circ C/W$
Storage temperature range	T_{STG}	-55 to +150			$^\circ C$
Operating junction temperature range	T_J	-55 to +150			$^\circ C$

NOTES:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C
2. Device mounted on 35mmx35mmx1.7mm Cu Plate Heatsink.

■ Rating And Characteristic Curves

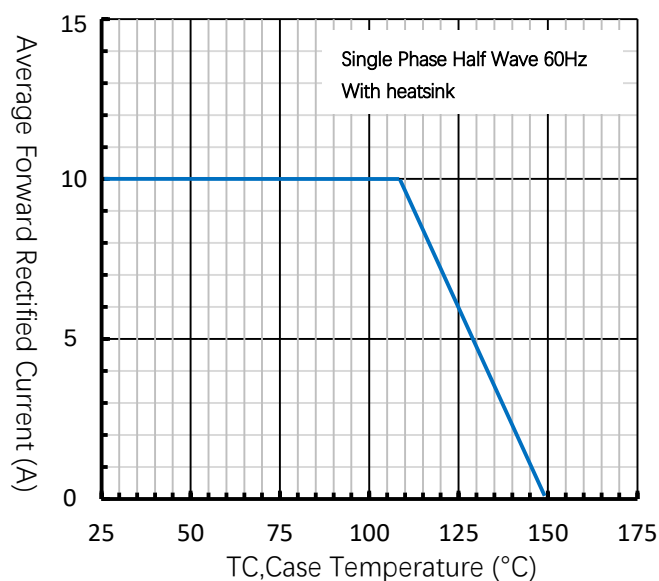


Fig.1 Forward Current Derating Curve

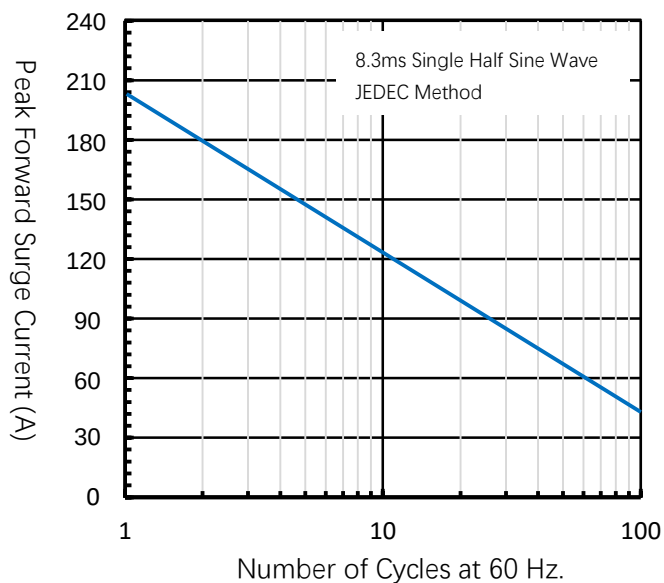


Fig.2 Forward Surge Current Capability

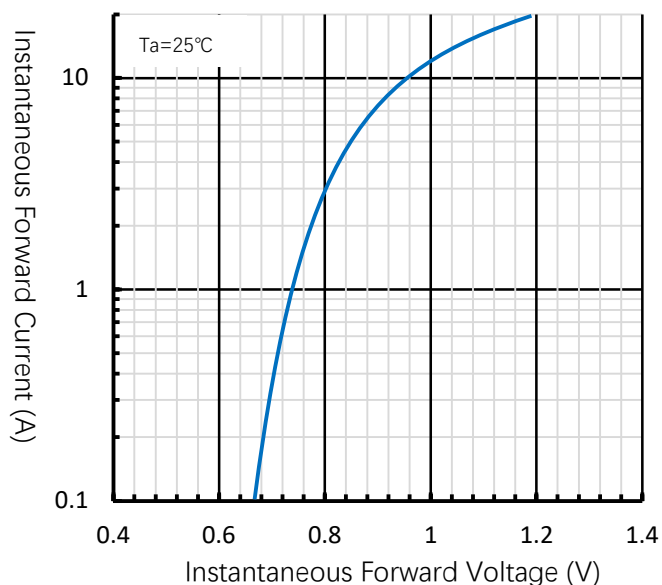


Fig. 3 Typical Forward Characteristic

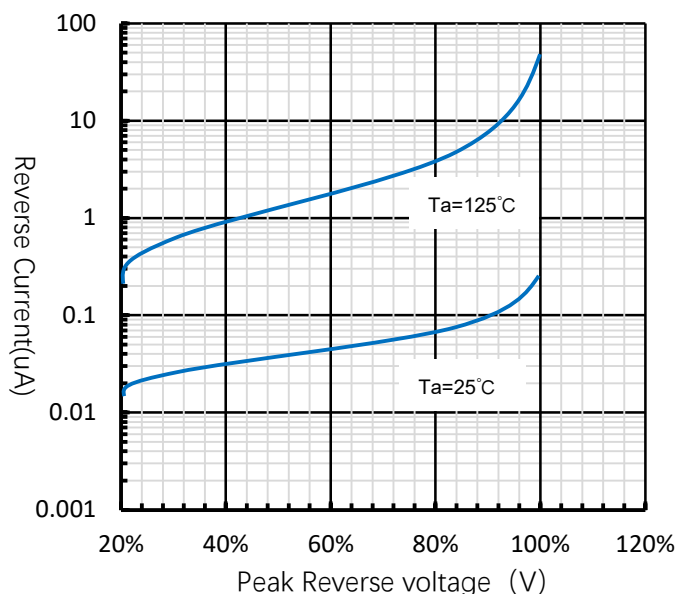
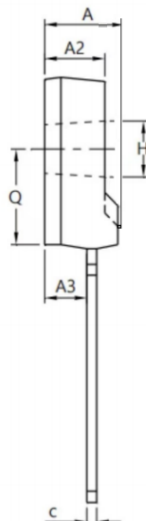
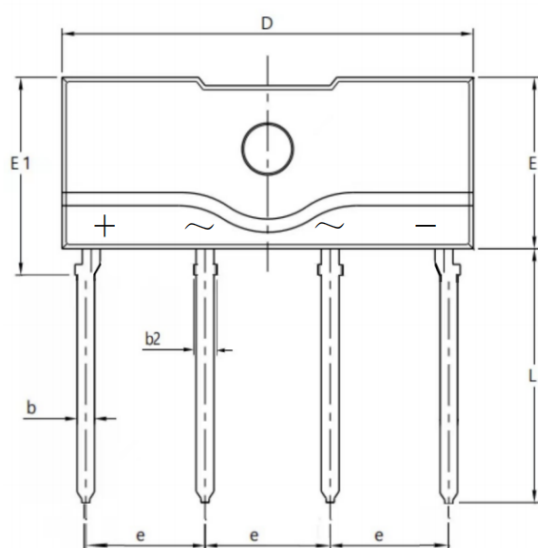


Fig. 4 Typical Reverse Characteristics

■ Outline Dimensions Dimensions in inches and (millimeters)

Package: JB



KBJL		
Dim	Min	Max
A	4.10	4.70
A2	2.90	3.90
A3	2.00	2.60
b	0.90	1.10
b2	1.20	1.40
c	0.40	0.60
D	24.70	25.30
E	10.00	10.60
E1	11.40	12.00
e	7.30	7.70
H	3.10	3.40
L	14.60	15.20
Q	5.40	6.00