GJSBL340~360

SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE 40V TO 60V, CURRENT 3A

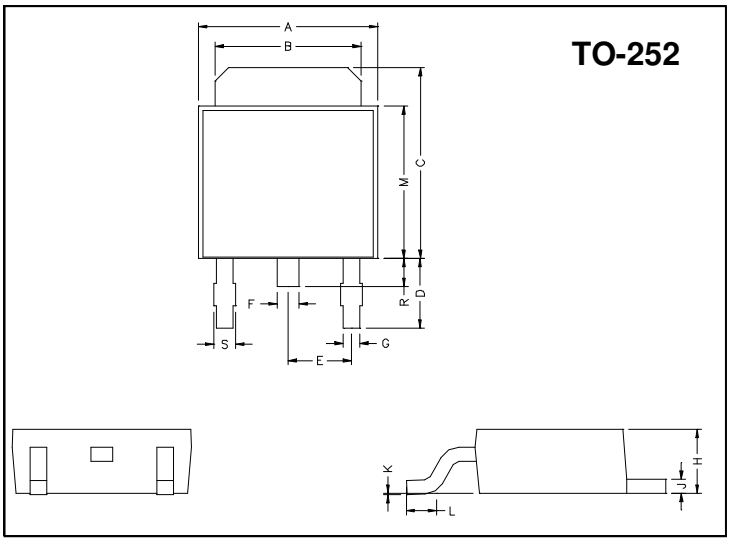
Description

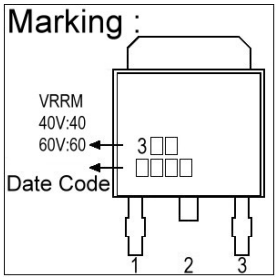
The GJSBL340~360 are designed for use in low voltage, high frequency inverters, free wheeling and polarity protection applications.

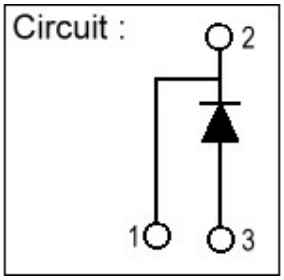
Features

- Guard ring for transient protection
- Low power loss, high efficiency
- High current capability, low V_F
- High surge capacity

Package Dimensions







REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.40	6.80	G	0.50	0.70
B	5.20	5.50	H	2.20	2.40
C	6.80	7.20	J	0.45	0.55
D	2.40	3.00	K	0	0.15
E	2.30 REF.		L	0.90	1.50
F	0.70	0.90	M	5.40	5.80
S	0.60	0.90	R	0.80	1.20

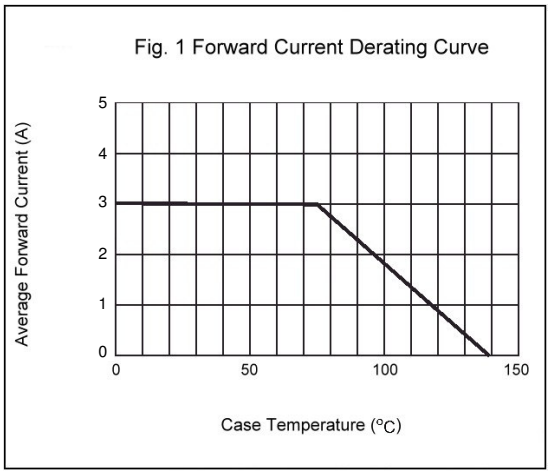
Maximum Ratings and Electrical Characteristics at Ta=25℃ unless otherwise specified.

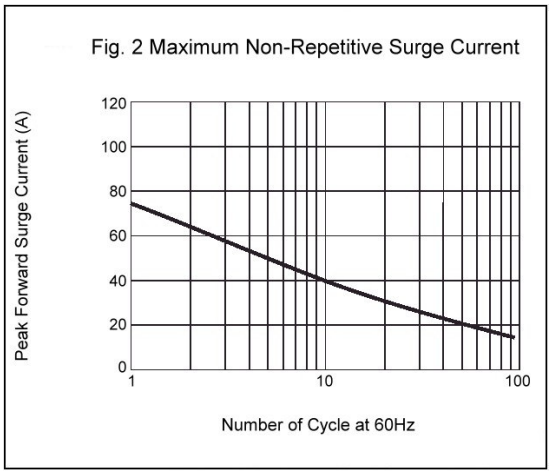
Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

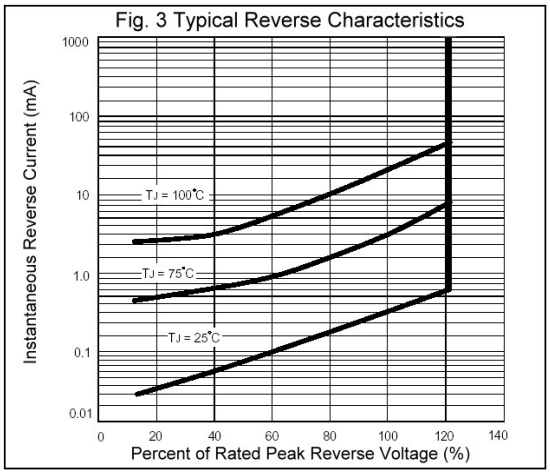
Parameters	Symbol	Ratings		Unit
		GJSBL340	GJSBL360	V
Max. Recurrent Peak Reverse Voltage	V_{RRM}	40	60	V
Max. RMS Voltage	V_{RMS}	28	42	V
Max. DC Blocking Voltage	V_{DC}	40	60	V
Max. Average Forward @T_C=95℃ Rectified Current (See Fig.1)	$I_{(AV)}$	3		A
Peak Surge Forward Current 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	I_{FSM}	75		A
Max. Forward Voltage @ 3A (Note 1)	V_F	0.55	0.7	V
Max. DC Reverse Current @T_J=25℃ At Rated DC Blocking Voltage @T_J=100℃	I_R	0.5 50		mA
Typical Thermal Resistance @T_C=25℃ (Note2)	$R_{\theta JC}$	20		℃/W
Operating Temperature Range	Tj	-55 ~ +125		℃
Storage Temperature Range	Tstg	-55 ~ +150		℃

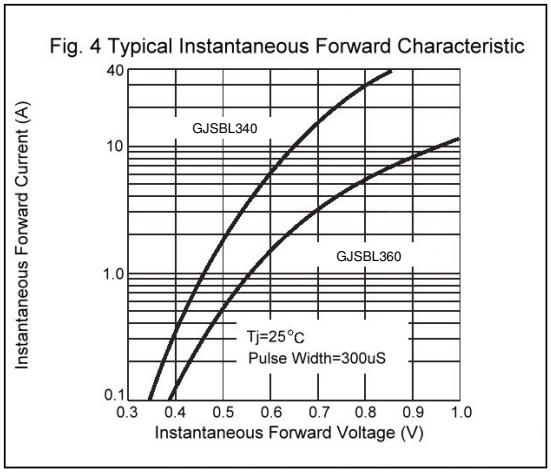
Notes: 1. 300us Pulse Width, 2% Duty Cycle.
2. Thermal Resistance Junction to Case.

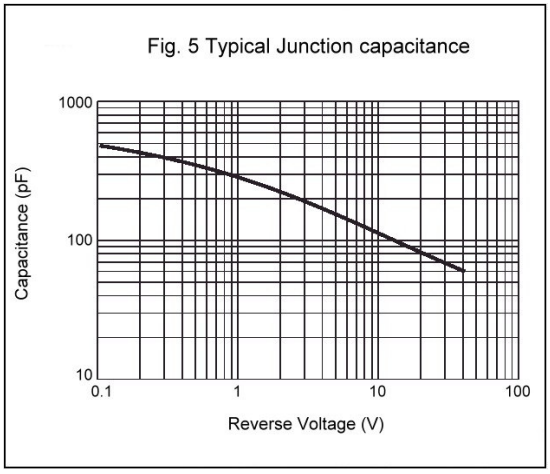
Characteristics Curve











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