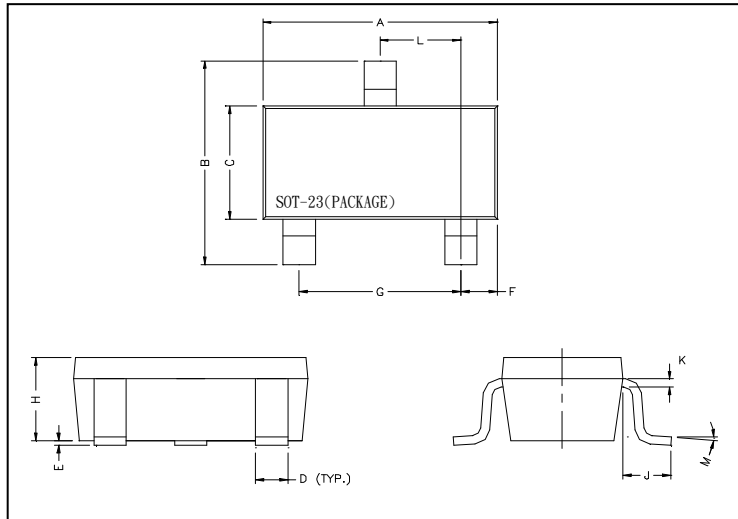


GBAT34

Description

Schottky Diode .

Package Dimensions



Marking :

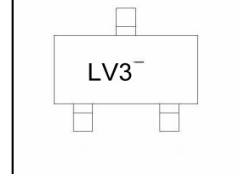
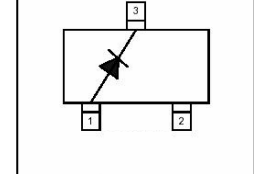


Diagram:



Style : Pin 1.Anode 2.Cathode 3.Common Connection

REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	1.90	REF.
B	2.40	2.80	H	1.00	1.30
C	1.40	1.60	K	0.10	0.20
D	0.35	0.50	J	0.40	-
E	0	0.10	L	0.85	1.15
F	0.45	0.55	M	0°	10°

Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Peak forward current		200	mA
Recurrent Peak Reverse Voltage	VRRM	30	V
RMS Voltage	VRMS	21	V
DC Blocking Voltage	VDC	30	V
Average Forward Rectified Current	Io	100	mA
Peak Forward Surge Current at 1 Sec	IFSM	600	mA
Typical Junction Capacitance between Terminal(note 1)	CJ	10	pF
Reverse Recovery Time(Note 2)	TRR	5.0	nSec
Operating Temperature Range	TJ	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Total Power Dissipation at Ta = 25°C	PD	150	mW

Characteristics at Ta = 25°C

characteristics	Symbol	Min	Max.	Unit	Test Conditions
Maximum Instantaneous Forward Voltage	VF	-	1000	mV	IF=100mA
Maximum Average Reverse Current	IR	-	2.0	uA	VR=25V

Note: 1.Measured at 1.0 MHz and applied reverse voltage of 1.0 volts.

2.Measured at applied forward current of 10 mA and reverse current of 10 mA.

3.ESD sensitive product handling required.

Characteristics Curve

FIG. 1 - FORWARD CHARACTERISTICS

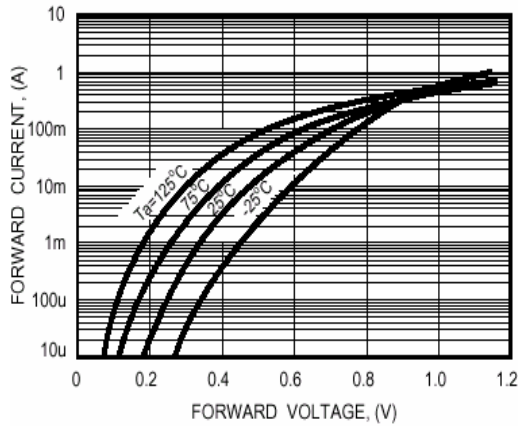


FIG. 2 - REVERSE CHARACTERISTICS

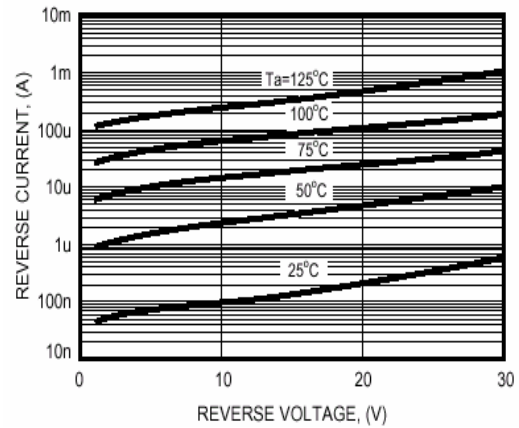


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

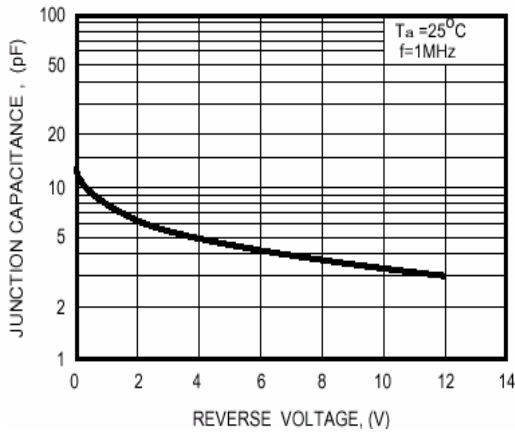
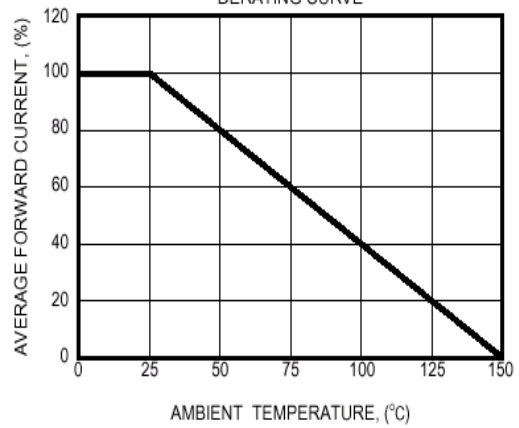


FIG. 4 - TYPICAL FORWARD CURRENT DERATING CURVE


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