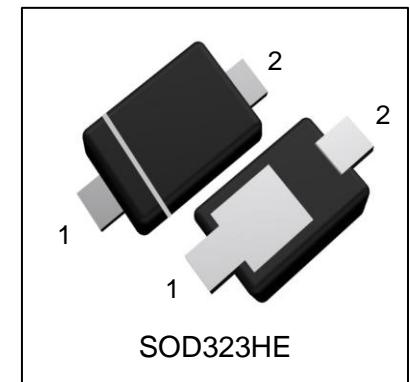


LBAT60ET1G

Schottky Barrier Diode

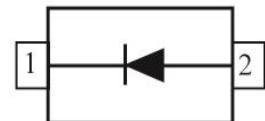


1. FEATURES

- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- High Current Rectifier Schottky Diode with Low VF Drop
- Low Voltage, Low Inductance
- For Power Supply
- For Detection and Step-up-Conversion

2. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LBAT60ET1G	60	3000/Tape&Reel



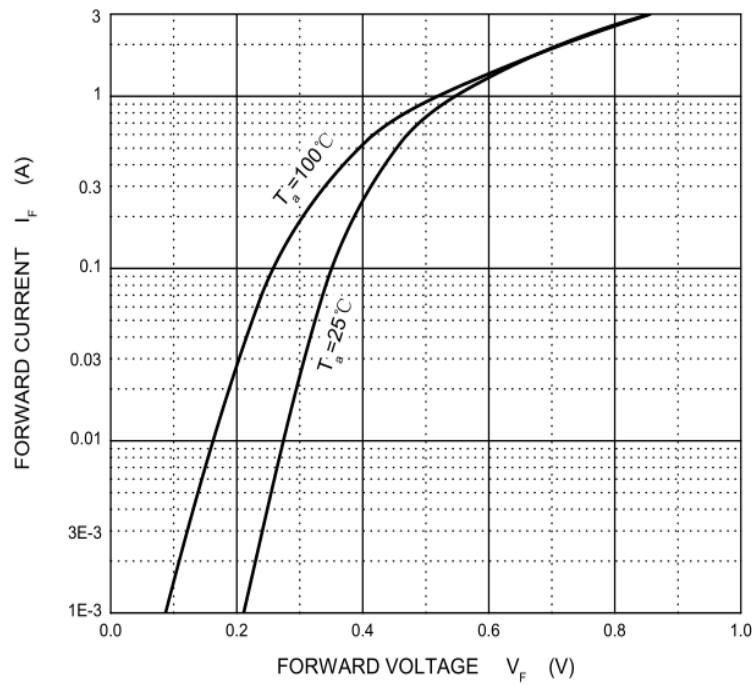
3. MAXIMUM RATINGS(Ta = 25°C)

Parameter	Symbol	Limits	Unit
DC Blocking Voltage	VR	10	V
Forward Current	IF	3	A
Non-repetitive Peak Forward Surge Current@t=8.3ms	IFSM	5	A
Power Dissipation	PD	350	mW
Thermal Resistance from Junction to Ambient	R _{θJA}	286	°C/W
Junction Temperature	T _j	125	°C
Storage Temperature	T _{stg}	-55~+150	°C

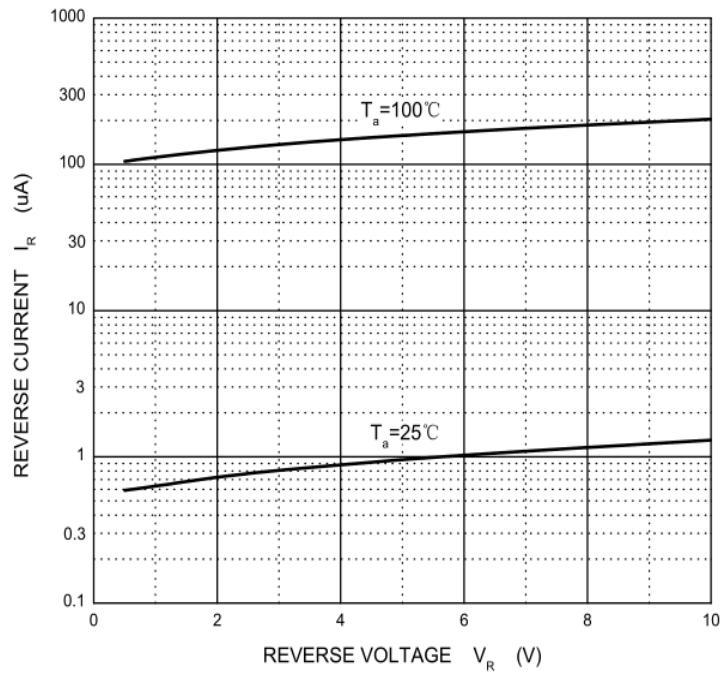
4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Reverse voltage (IR =1mA)	V _{BR}	10	-	-	V
Reverse current (VR =5V) (VR =8V)	I _R	-	-	15 25	µA
Forward voltage (IF = 100mA) (IF = 500mA) (IF = 1000mA)	V _F	-	-	0.38 0.5 0.6	V
Total capacitance (VR =5V,f=1MHz)	C _{tot}	-	30	-	pF

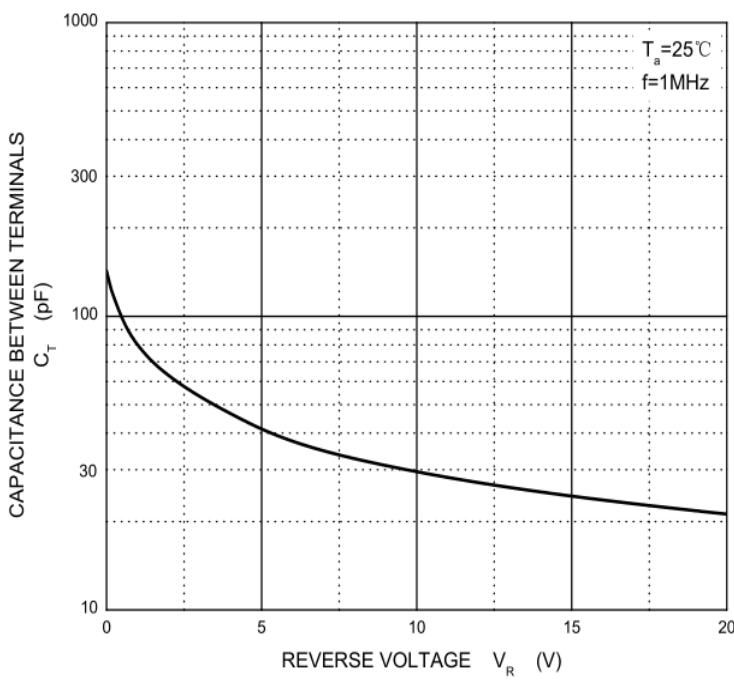
5. ELECTRICAL CHARACTERISTICS CURVES



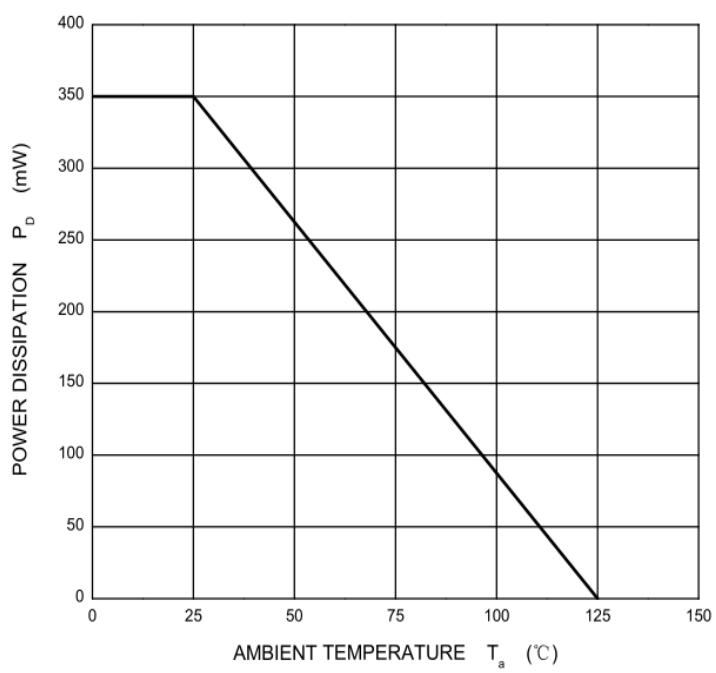
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics

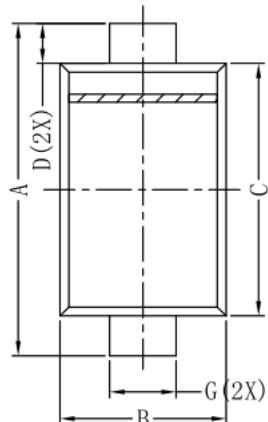


Power Derating Curve

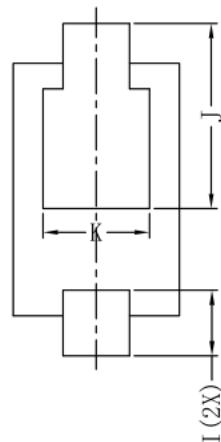
6. OUTLINE AND DIMENSIONS



SIDE VIEW



TOP VIEW



BOTTOM VIEW

SOD323HE			
DIM	MIN	MAX	Typ.
A	2.30	2.70	2.55
B	1.20	1.35	1.25
C	1.75	1.95	1.90
D	-	-	0.30
E	0.55	0.75	0.67
F	0.10	0.20	0.15
G	0.45	0.65	0.50
I	0.40	0.70	0.50
J	1.15	1.55	1.40
K	-	-	0.80

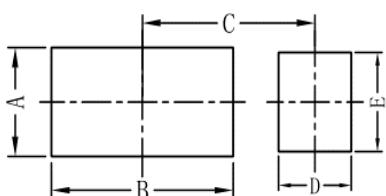
All Dimensions in mm

GENERAL NOTES

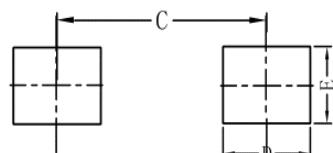
1. Top package surface finish $Ra0.4 \pm 0.2\mu m$
2. Bottom package surface finish $Ra0.7 \pm 0.2\mu m$

7. SOLDERING FOOTPRINT

RECOMMENDED PAD



COMPATIBLE PAD



SOD323HE	
DIM	(mm)
A	1.1
B	2.0
C	1.9
D	0.8
E	1.1

SOD323HE	
DIM	(mm)
D	1.0
E	0.8
C	2.4

DISCLAIMER

- Curve guarantee in the specification. The curve of test items with electric parameter is used as quality guarantee. The curve of test items without electric parameter is used as reference only.
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