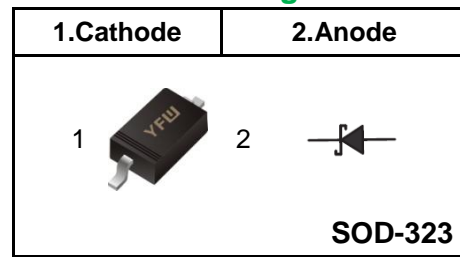


■ Schottky Diodes

**Features**

- High Current Rectifier Schottky Diode with Low  $V_f$  Drop
- Low Voltage, Low Inductance
- For Power Supply
- For Detection and Step-up-Conversion

**Pinning**



**Marking Code**

<b>BAT60B</b>	<b>5</b>
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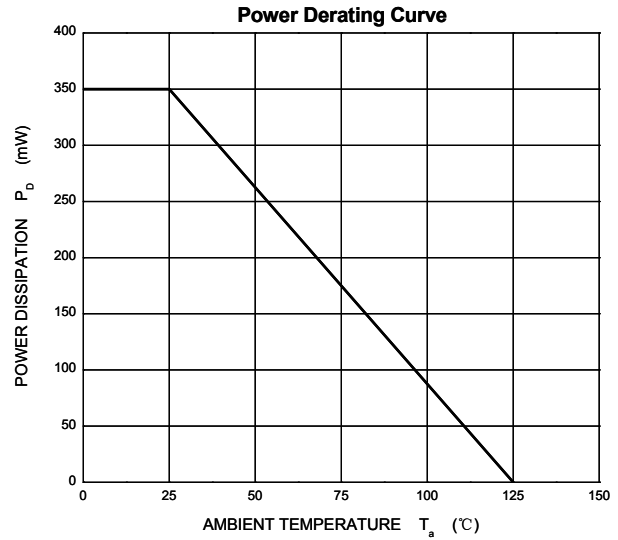
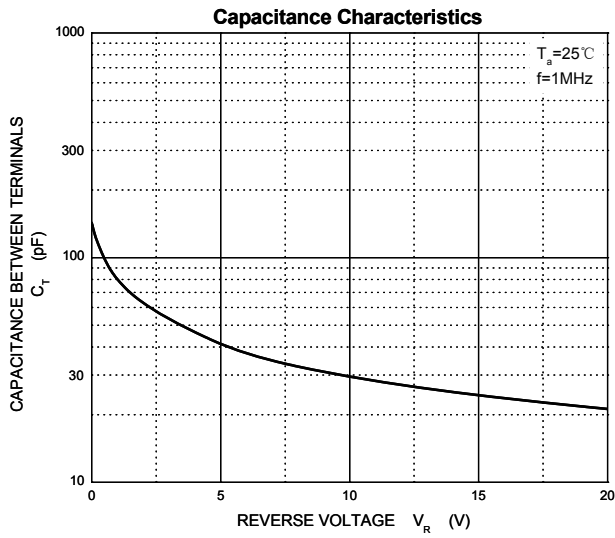
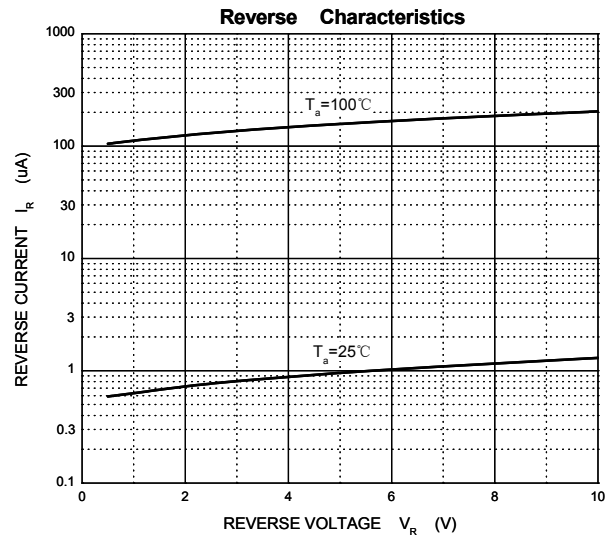
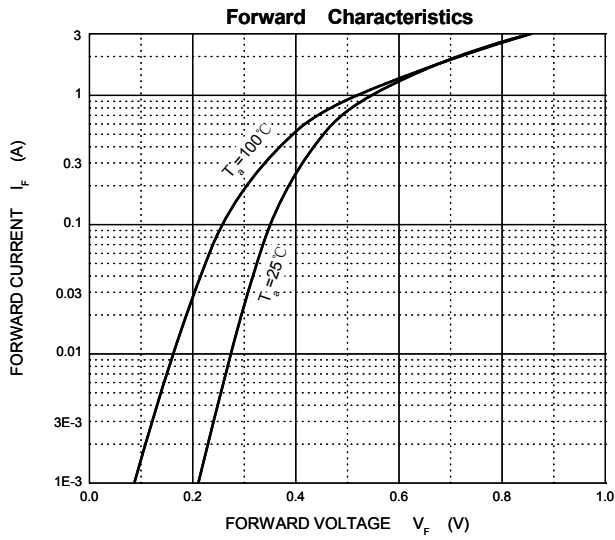
**Absolute Maximum Ratings**  $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
DC Blocking Voltage	$V_R$	10	V
Forward Current	$I_F$	3	A
Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	$I_{FSM}$	5	
Power Dissipation	$P_D$	350	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	286	$^\circ\text{C}/\text{W}$
Junction Temperature	$T_J$	125	$^\circ\text{C}$
Storage Temperature range	$T_{stg}$	-55 to 150	

**Electrical Characteristics**  $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	$V_R$	$I_R = 1\text{ mA}$	10			V
Forward voltage	$V_{F1}$	$I_F = 100\text{ mA}$			0.38	
	$V_{F2}$	$I_F = 500\text{ mA}$			0.5	
	$V_{F3}$	$I_F = 1000\text{ mA}$			0.6	
Reverse voltage leakage current	$I_{R1}$	$V_R = 5\text{ V}$			15	uA
	$I_{R2}$	$V_R = 8\text{ V}$			25	
Capacitance between terminals	$C_T$	$V_R = 5\text{ V}, f = 1\text{ MHz}$		30		pF

Typical Characteristics



**Ordering information**

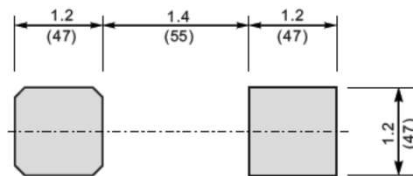
Package	Packing Description	Packing Quantity
SOD-323	Tape/Reel,7"reel	3000PCS/Reel 120000PCS/Carton

**Package Dimensions**

**SOD-323**

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.8	1.1	32	43
C	0.08	0.15	3.1	5.9
D	1.2	1.4	47	55
E	1.4	1.8	63	70
E1	2.55	2.75	100	108
b	0.25	0.4	9.8	16
L1	0.2	0.45	7.9	16
A1	-	0.2	-	8
∠	9°			

**The recommended mounting pad size**



Unit:  $\frac{\text{mm}}{\text{mil}}$

## Disclaimer

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