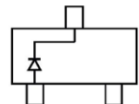
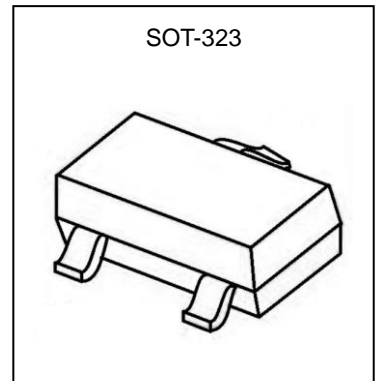


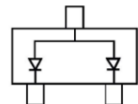
**BAT54W/AW/CW/SW Schottky Barrier Diode**

**Feature**

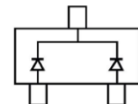
- Extremely Fast Switch Speed
- Low Forward Voltage



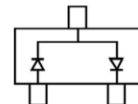
BAT54W Marking: KL5



BAT54AW Marking: KL6







BAT54CW Marking: KL7



BAT54SW Marking: KL8

**MARKING:**

BAT54W	BAT54AW	BAT54CW	BAT54SW
			

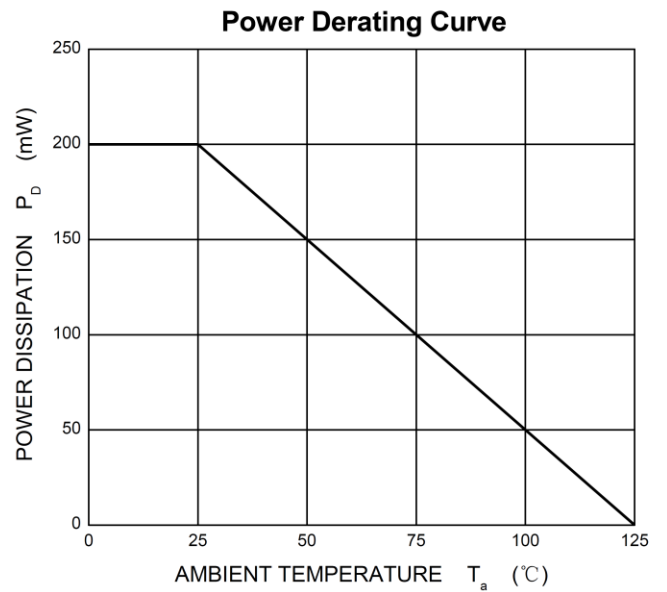
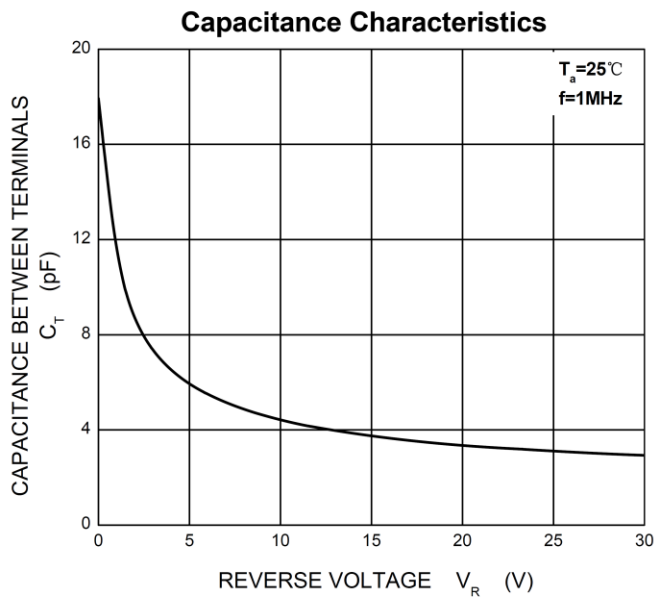
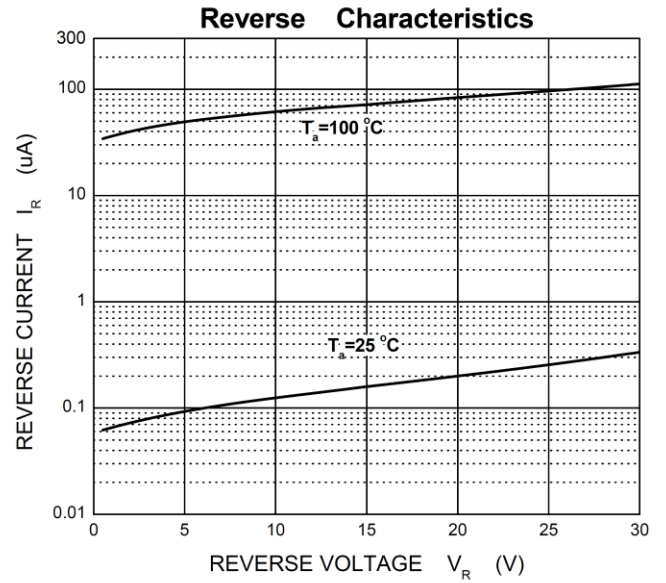
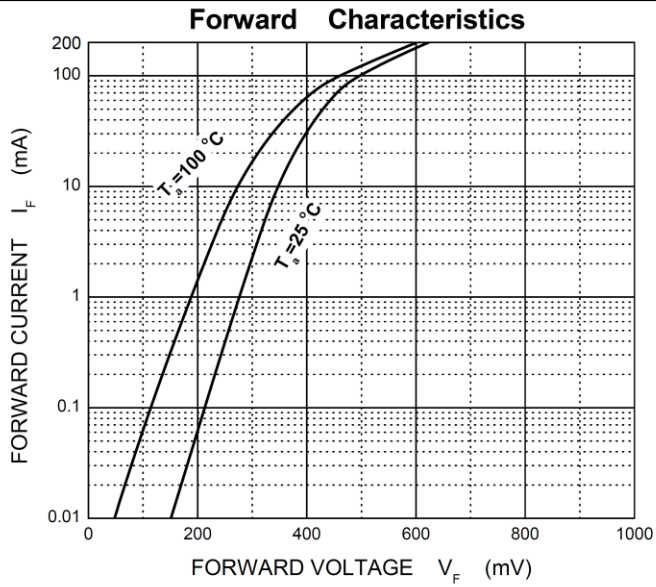
**ABSOLUTE MAXIMUM RATINGS (T<sub>a</sub>=25°C unless otherwise noted)**

Parameter	Symbol	Value	Unit
DC reverse voltage	V <sub>R</sub>	30	V
Mean rectifying current	I <sub>O</sub>	0.2	A
Non-repetitive Peak Forward Surge Current @ t=8.3ms	I <sub>FSM</sub>	0.6	A
Power Dissipation	P <sub>D</sub>	0.2	W
Thermal Resistance from Junction to Ambient	R <sub>θJA</sub>	500	°C/W
Junction Temperature	T <sub>J</sub>	125	°C
Storage Temperature Range	T <sub>STG</sub>	-55 ~ +150	°C

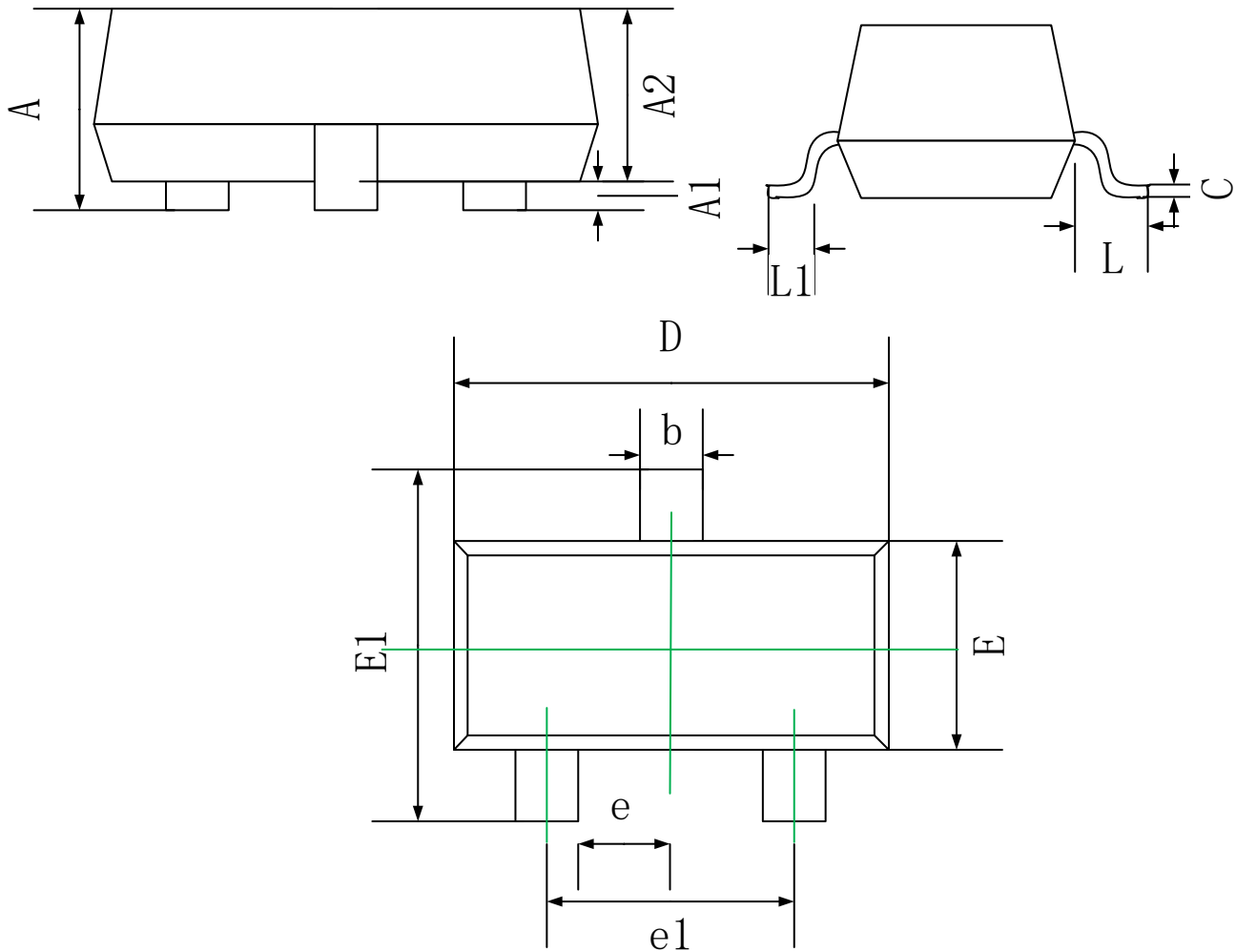
**ELECTRICAL CHARACTERISTICS (T<sub>a</sub>=25°C unless otherwise noted)**

Parameter	Symbol	Test Condition	Min	Type	Max	Unit
Reverse breakdown voltage	V <sub>(BR)</sub>	I <sub>R</sub> =100μA	30			V
Forward voltage	V <sub>F1</sub>	I <sub>F</sub> =0.1mA			0.24	V
	V <sub>F2</sub>	I <sub>F</sub> =1mA			0.32	V
	V <sub>F3</sub>	I <sub>F</sub> =10mA			0.40	V
	V <sub>F4</sub>	I <sub>F</sub> =30mA			0.50	V
	V <sub>F5</sub>	I <sub>F</sub> =100mA			1	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =25V			2	μA
Reverse recovery time	t <sub>rr</sub>	I <sub>F</sub> =I <sub>R</sub> =10mA, I <sub>rr</sub> =0.1* I <sub>R</sub> , R <sub>L</sub> =100Ω			5	ns
Capacitance between terminals	C <sub>T</sub>	V <sub>R</sub> =1V, f=1MHz			10	pF

**Typical Characteristics**



## SOT-323 Package Outline Dimensions



Symbol	Dimensions In Millimeters	
	Min.	Max.
A	0.90	1.10
A1	0.00	0.10
A2	0.90	1.00
b	0.20	0.40
c	0.08	0.15
D	2.00	2.20
E	1.15	1.35
E1	2.15	2.45
e	0.650 TYP.	
e1	1.20	1.40
L	0.525 REF.	
L1	0.26	0.46

单击下面可查看定价，库存，交付和生命周期等信息

[>>GP\(格瑞宝\)](#)