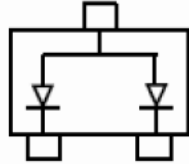
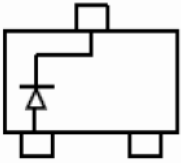


SCHOTTKY BARRIER DIODE

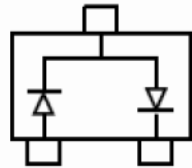
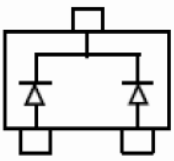
FEATURES

- Extremely fast switching speed

MARKING

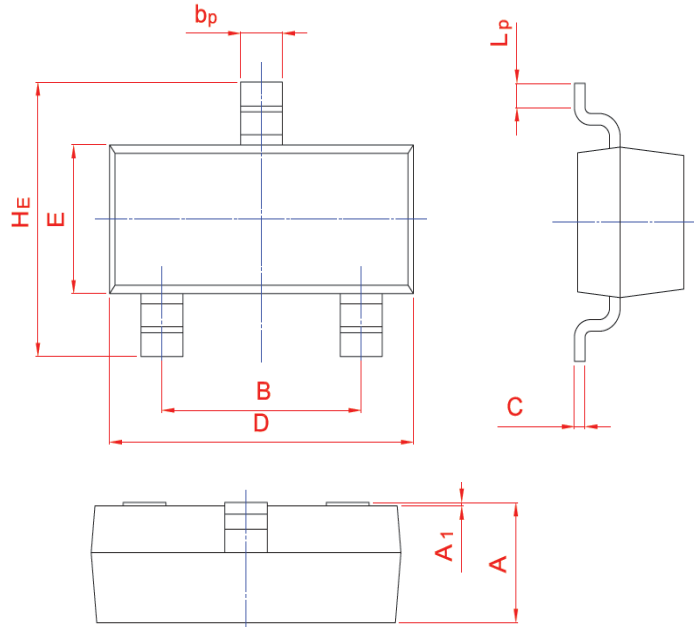
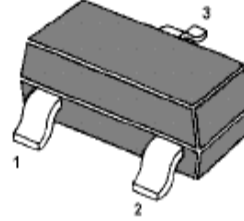


BAT54 MARKING: KL1 **BAT54A MARKING: KL2**



BAT54C MARKING: KL3 **BAT54S MARKING: KL4**

SOT-23



UNIT	A	B	bp	C	D	E	HE	A1	Lp
mm	1.40 0.95	2.04 1.78	0.50 0.35	0.19 0.08	3.10 2.70	1.65 1.20	3.00 2.20	0.100 0.013	0.50 0.20

Maximum Ratings @T_a=25°C

Parameter	Symbol	Limits				Unit
Peak Repetitive Peak reverse voltage	V _{RRM}	30				V
Working Peak Reverse Voltage	V _{RWM}	30				V
DC Blocking Voltage	V _R	30				V
Forward Continuous Current	I _{FM}	200				mA
Power Dissipation	P _D	200				mW
Storage temperature	T _{STG}	-55 to +150				°C
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Reverse Voltage	V _(BR)	I _R =100μA	30			V
Forward voltage	V _{F1}	I _F =0.1mA			0.24	V
	V _{F2}	I _F =1mA			0.32	V
	V _{F3}	I _F =10mA			0.4	V
	V _{F4}	I _F =30mA			0.5	V
	V _{F5}	I _F =100mA			1	V
Reverse current	I _R	V _R =25V			2	μA
Diode Capacitance	C _D	V _R =1V, f=1MHZ			10	pF
Reverse Recovery Time	T _{rr}	I _F =I _R =10mA, I _{rr} =0.1*I _R , R _L =100Ω			5	nS

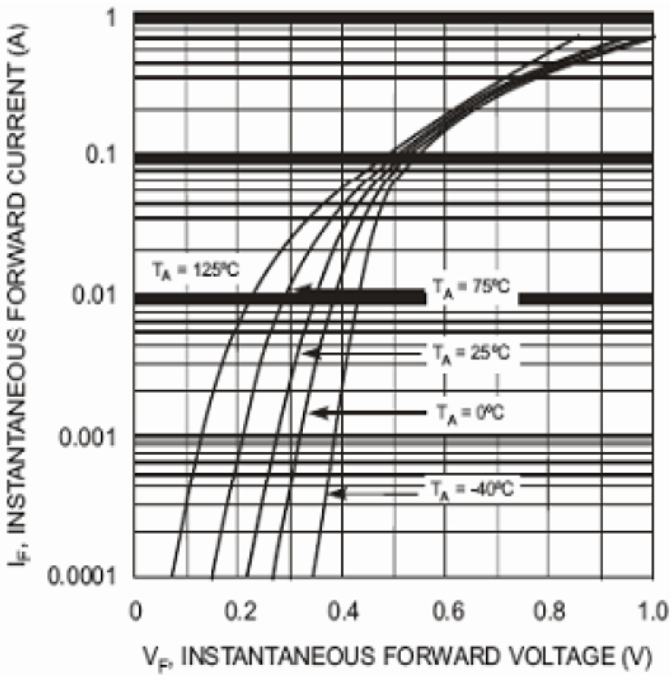


Fig. 1 Forward Characteristics

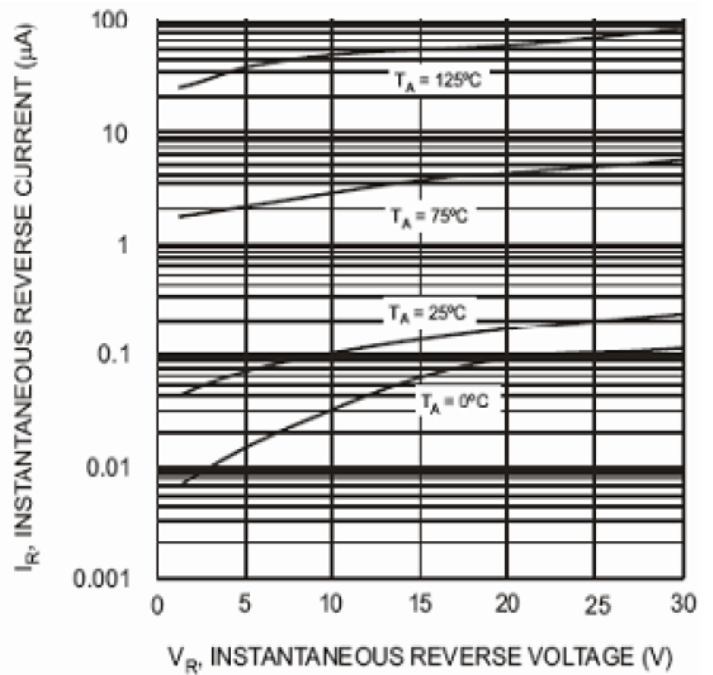


Fig. 2 Typical Reverse Characteristics

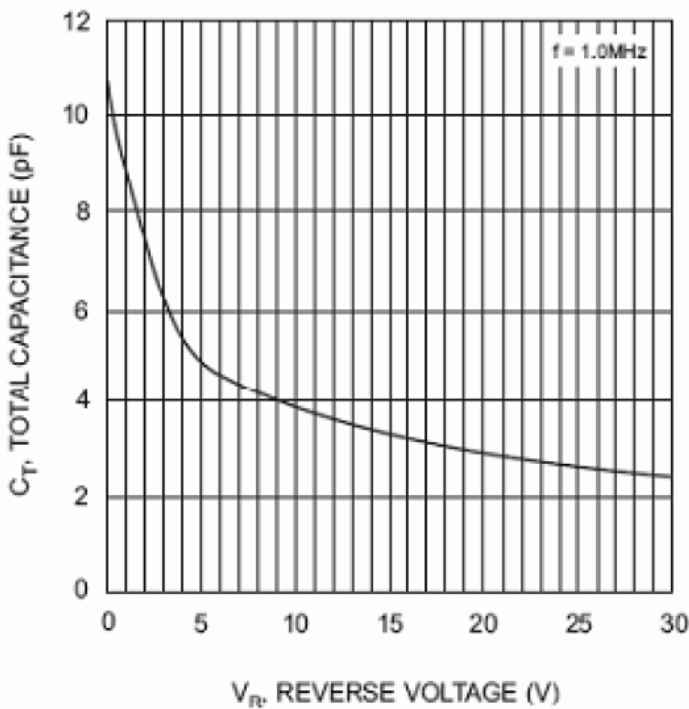


Fig. 3 Typical Capacitance vs. Reverse Voltage

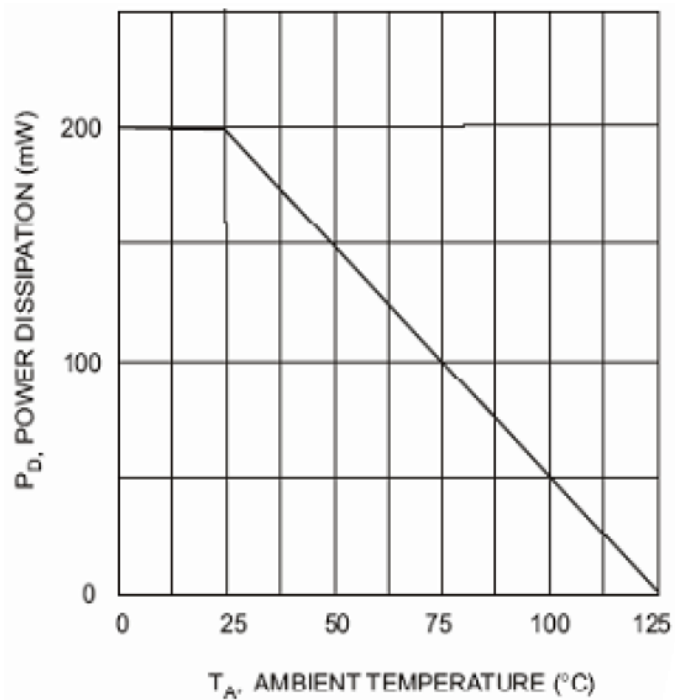


Fig. 4 Power Derating Curve

The curve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!

BAT54*-7H-99-00-BC1201

Rev. 1,17-Nov-2017

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