

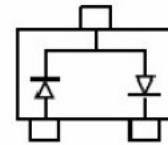
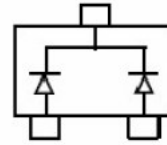
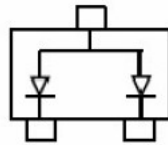
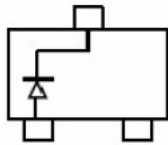
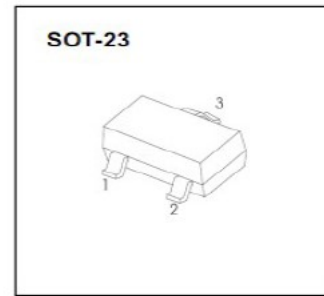
### 特点/Features :

速度快，导通电压低；

### 用途/Applications :

高速开关电路。

### 电路和印章/Circuit&Marking:



BAT54 MARKING: KL1

BAT54A MARKING: KL2

BAT54C MARKING: KL3

BAT54S MARKING: KL4

### 极限参数/Absolute maximum ratings(Ta=25°C)

参数/Parameter	符号/ Symbol	数值/Value	单位/Unit
反向峰值电压/Peak Repetitive Peak Reverse Voltage	$V_{RRM}$	30	V
反向工作电压/Working Peak Reverse Voltage	$V_{RWM}$		
直流阻断电压/DC Blocking Voltage	$V_R$		
正向电流/Forward Continuous Current	$I_F$	200	mA
功率/ Power Dissipation	$P_D$	200	mW
储存温度/Storage Temperature	$T_{stg}$	-55~125	°C

### 电性能参数/Electrical characteristics (Ta=25°C)

参数/Parameter	符号	测试条件	最小值	最大值	单位
反向击穿电压/Reverse Breakdown Voltage	$V_{R(BR)}$	$I_R=100\mu A$	30		V
正向电压/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
反向漏电流/Reverse Current	$I_R$	$V_R=25V$		2	$\mu A$
端电容/Capacitance Between Terminals	$C_T$	$V_R=1V, f=1MHz$		10	pF
反向恢复时间/Reverse Recovery Time	$t_{rr}$	$I_F=I_R=10mA,$ $I_{rr}=0.1 \times I_R,$ $R_L=100\Omega$		5	nS

## Typical Characteristics

