



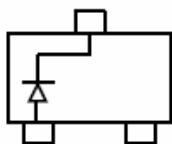
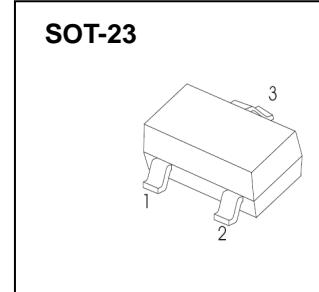
JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOT-23 Plastic-Encapsulate Diodes

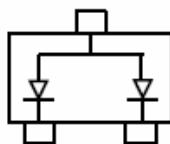
BAT54/A/C/S SCHOTTKY BARRIER DIODE

FEATURES

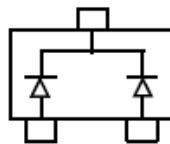
- Extremely Fast Switching Speed



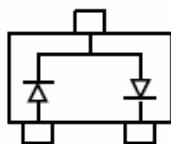
BAT54 MARKING: KL1



BAT54A MARKING: KL2



BAT54C MARKING: KL3



BAT54S MARKING: KL4

Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit			Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}				
Working Peak Reverse Voltage	V _{RWM}		30		V
DC Blocking Voltage	V _R				
Forward Continuous Current	I _{FM}		200		mA
Power Dissipation	P _D		200		mW
Storage Temperature	T _{STG}	-55~+150			°C

Electrical Characteristics @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage	V _(BR)	30			V	I _R =100µA
Forward voltage	V _{F1}			0.24	V	I _F =0.1mA
	V _{F2}			0.32	V	I _F =1mA
	V _{F3}			0.40	V	I _F =10mA
	V _{F4}			0.50	V	I _F =30mA
	V _{F5}			1	V	I _F =100mA
Reverse current	I _R			2	µA	V _R =25V
Diode capacitance	C _D			10	pF	V _R =1V,f=1MHz
Reverse recovery time	t _{rr}			5	ns	I _F =I _R =10mA I _{rr} =0.1XI _R ,R _L =100Ω

Typical Characteristics

BAT54/A/C/S

