

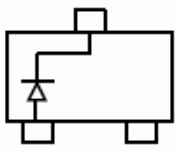
SCHOTTKY DIODES

BAT54/A/C/S

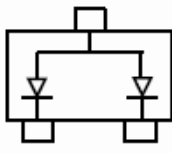
FEATURES

Extremely Fast Switching Speed

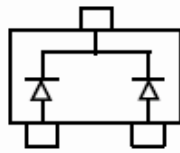
MARKING:



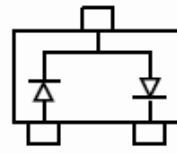
BAT54 : KL1



BAT54A : KL2



BAT54C : KL3



BAT54S : KL4



MAXIMUM RATINGS (TA=25℃ unless otherwise noted)

Parameter	Symbol	Limits	Unit
Peak Repetitive Peak reverse voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	30	V
Forward Continuous Current	IFM	200	mA
Power Dissipation	PD	200	mW
Storage temperature	TSTG	-55-150	℃

ELECTRICAL CHARACTERISTICS (Tamb=25℃ unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse Breakdown Voltage	V(BR)R	30			V	IR=100μA
Forward voltage	VF1			0.24	V	IF=0.1mA
	VF2			0.32	V	IF=1mA
	VF3			0.40	V	IF=10mA
	VF4			0.50	V	IF=30mA
	VF5			1	V	IF=100mA
Reverse current	IR			2	μA	VR=25V
Diode Capacitance	CD			10	pF	VR=1V, f=1MHz
Reverse Recovery Time	trr			5	nS	IF=IR=10mA, Irr=0.1XIR, RL=100Ω

BAT54/A/C/S Typical Characteristics

