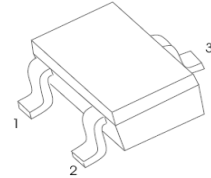




SOT-523 Plastic-Encapsulate Diodes

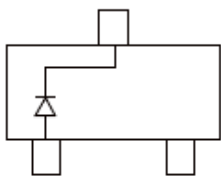
BAT54T/AT/CT/ST SWITCHING DIODE

SOT-523

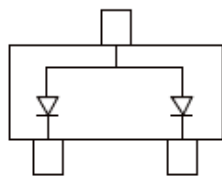


FEATURES

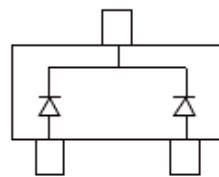
- Low Forward Voltage Drop
- Fast Switching



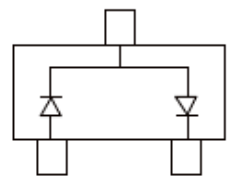
BAT54T Marking: L1



BAT54AT Marking: L2



BAT54CT Marking: L3



BAT54ST Marking: L4

Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	30	V
DC Blocking Voltage	V_R		
Average Rectified Output Current	I_O	200	mA
Power Dissipation	P_d	150	mW
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{STG}	-55~+150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu A$	30		V
Reverse voltage leakage current	I_R	$V_R=25V$		2	μA
Forward voltage	V_F	$I_F=0.1mA$ $I_F=1mA$ $I_F=10mA$ $I_F=30mA$ $I_F=100mA$		240 320 400 500 1000	mV
Total capacitance	C_T	$V_R=1V, f=1MHz$		10	pF
Reverse recovery time	t_{rr}	$I_F=I_R=10mA,$ $I_{rr}=0.1I_R, R_L=100\Omega$		5	ns