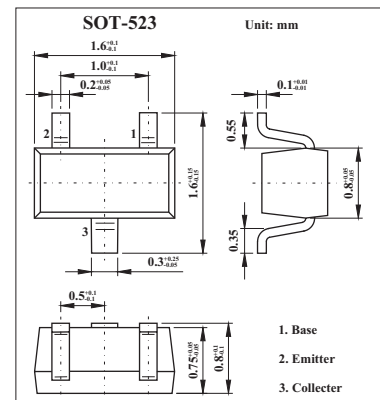


BAT54T;BAT54AT

BAT54CT;BAT54ST

Features

- Ultra-small surface mount package
- Low forward voltage drop
- Fast switching
- PN junction guard ring for transient and ESD protection
- Available in lead free version



Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Limits	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	℃
Storage Temperature range	T _{STG}	-65 to +150	℃

Electrical Characteristics Ta = 25℃

Parameter	Symbol	Conditions	Min	Max	Unit
Reverse breakdown voltage	V _(BR)	I _R = 100 μA	30		V
Reverse voltage leakage current	I _R	V _R = 25V		2	μA
Forward voltage	V _F	I _F = 0.1 mA		240	mV
		I _F = 1 mA		320	
		I _F = 10 mA		400	
		I _F = 30 mA		500	
		I _F = 100 mA		1000	
Total capacitance	C _T	V _R = 1V, f = 1MHz		10	pF
Reverse recovery time	t _{rr}	I _F = 10mA, I _R = 10mA ~ 1mA, R _L = 100 Ω		5	ns

Marking

Type	BAT54T	BAT54AT	BAT54CT	BAT54ST
Marking	L1	L2	L3	L4