

**Micro Commercial Components** 



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### Features

- Ultra-Small Surface Mount Package
- Low Forward Voltage Drop
- Fast Switching
- PN Junction Guard Ring for Transient and ESD Protection
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)

MCC	Device		Pin
Part Number	Marking	Туре	Configuration
BAT54T	L1	Single	Figure 1
BAT54AT	L2	Dual	Figure 2
BAT54CT	L3	Dual	Figure 3
BAT54ST	L4	Dual	Figure 4

## **Maximum Ratings**

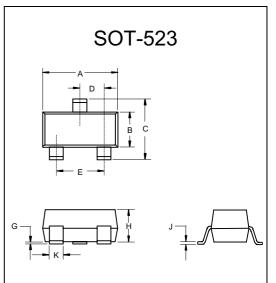
DC Blocking Voltage		30V
Average Rectified Output Current		200mA
Repetitive Peak Forward Current		300mA
Non-Repetitive Peak Forward Current t<1s		600mA
Total Power Dissipation @ $T_A = 25^{\circ}C$		150mW
Storage Temperature Range		-65°C to 125°C
Junction Temperature		-65°C to 125°C
Thermal Resistance Junction to Ambient		667°C/W

### Electrical Characteristics @ 25°C Unless Otherwise Specified

Ratings	Symbol	Max.	Notes	
Forward Voltage	VF	240mV 320mV 400mV 500mV 1000mV	$I_{F} = 0.1mA$ $I_{F} = 1mA$ $I_{F} = 10mA$ $I_{F} = 30mA$ $I_{F} = 100mA$	
Reverse Current	I <sub>R</sub>	2μΑ	V <sub>R</sub> = 25V	
Reverse Breakdown Voltage	V <sub>(BR)</sub>	>30V	I <sub>R</sub> =100uA	
Total Capacitance	Cτ	10pF	Measured at 1.0MHz, V <sub>R</sub> =1.0V	
Reverse Recovery Time	t <sub>rr</sub>	5nS	IF = 10mA ; IR = 10mA ~1.0mA, RL = 100 Ω	

## BAT54T THRU BAT54ST

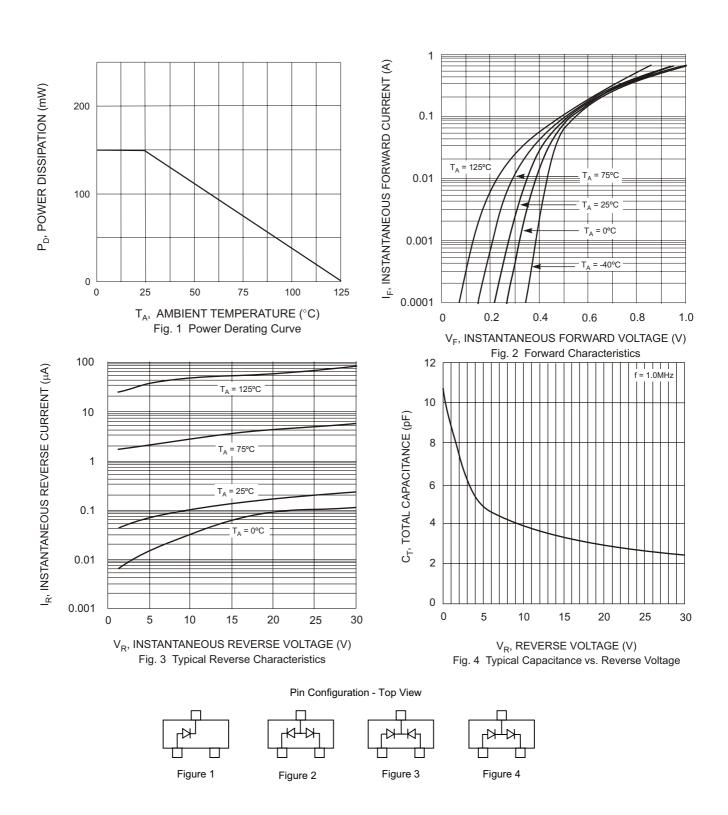
## 150mWatt, 30Volt Schottky Barrier Diode



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### BAT54T thru BAT54ST







#### **Ordering Information :**

Device	Packing	
Part Number-TP	Tape&Reel: 3Kpcs/Reel	

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