

Micro Commercial Components



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Features

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Low Forward Voltage
- Surface Mount SOT-323 Package
- Capable of 200mWatts of Power Dissipation
- Lead Free Finish/Rohs Compliant ("P"Suffix designates
- RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

| Part Number | Device Marking | Туре | Pin Configuration |
|----------------|-------------------|--------|----------------------|
| BAT54WT | KL5 | Single | Figure 1 |
| BAT54AWT | KL6 | Dual | Figure 2 |
| BAT54CWT | KL7 | Dual | Figure 3 |
| BAT54SWT | KL8 | Dual | Figure 4 |

Maximum Ratings

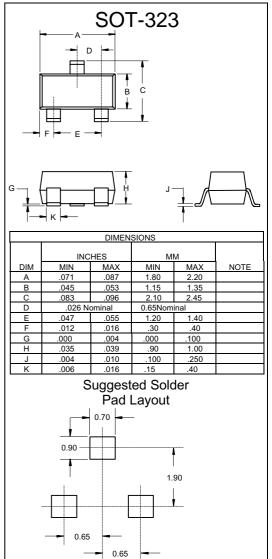
| Continuous Reverse Voltage | | 30V |
|---|--|----------------|
| Forward Current | | 200mA |
| Repetitive Peak Forward Current | | 300mA |
| Non-Repetitive Peak Forward Current t<1s | | 600mA |
| Total Power Dissipation @ T _A = 25°C | | 200mW |
| Storage Temperature Range | | -55°C to 125°C |
| Junction Temperature | | -55°C to 125°C |

Electrical Characteristics @ 25 °C Unless Otherwise Specified

| Ratings | Symbol | Max. | Notes |
|---|-------------------|--|---|
| Forward Voltage at $I_F = 0.1mA$ $I_F = 1mA$ $I_F = 10mA$ $I_F = 30mA$ $I_F = 100mA$ | V _F | 240mV 320mV 400mV 500mV 1000mV | |
| Reverse Current | I _R | 2 µA | V _R = 25V |
| Reverse Breakdown Voltage | V _(BR) | >30V | |
| Capacitance | CJ | 10pF | Measured at 1.0MHz, V _R =1.0V |
| Reverse Recovery Time | t _{rr} | 5nS | I _F =I _R =10mA; I _(REC) = 1mA |
| Thermal Resistance, Junction to Ambient | $R_{	heta JA}$ | 500K/W | |

BAT54WT thru BAT54SWT

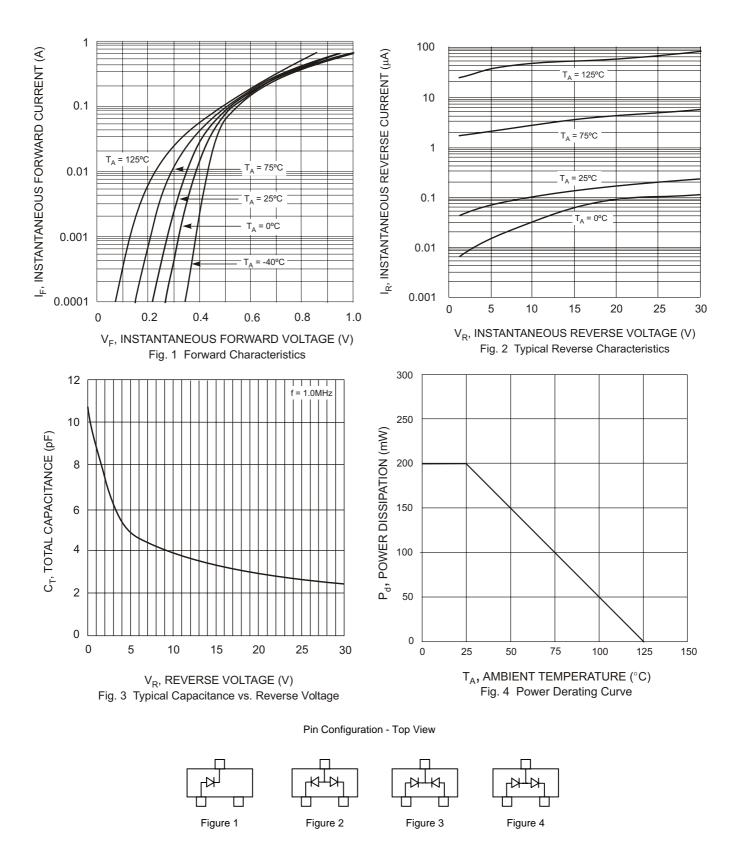
200mWatt, 30Volt Schottky Barrier Diode



www.mccsemi.com

BAT54WT thru BAT54SWT





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Ordering Information :

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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