

Features

- Low Forward Voltage
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P"Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

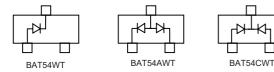
- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 500°C/W Junction to Ambient

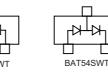
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
BAT54WT	KL5	30V	21V	30V
BAT54AWT	KL6	30V	21V	30V
BAT54CWT	KL7	30V	21V	30V
BAT54SWT	KL8	30V	21V	30V

Electrical Characteristics @ 25°C Unless Otherwise Specified

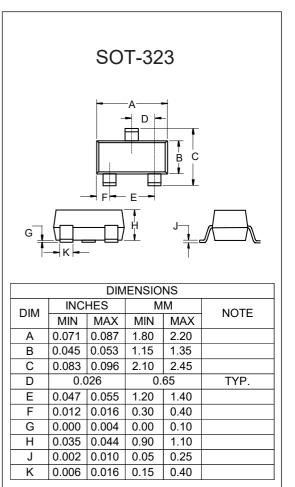
Average Forward Current	I _{F(AV)}	200mA	T _A = 25 °C
Peak Forward Surge Current	I _{FSM}	600mA	8.3ms
Repetitive Peak Forward Current	I _{FRM}	300mA	t<1s
Power Dissipation	P _d	200mW	T _A = 25 °C
Maximum Forward Voltage	V _F	240mV 320mV 400mV 500mV 800mV	$I_F=0.1mA$ $I_F=1.0mA$ $I_F=10mA$ $I_F=30mA$ $I_F=100mA$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	2.0µA	V _R = 25V
Maximum Reverse Breakdown Voltage	V _(BR)	>30V	
Maximum Junction Capacitance	CJ	10pF	Measured at 1.0MHz, V _R =1.0V
Maximum Reverse Recovery Time	t _{rr}	5.0ns	I _F =I _R =10mA; I _{rr} =0.1×IR, R _L =100Ω

Internal Structure:

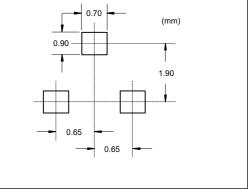




200mW,30V Schottky Barrier Diode

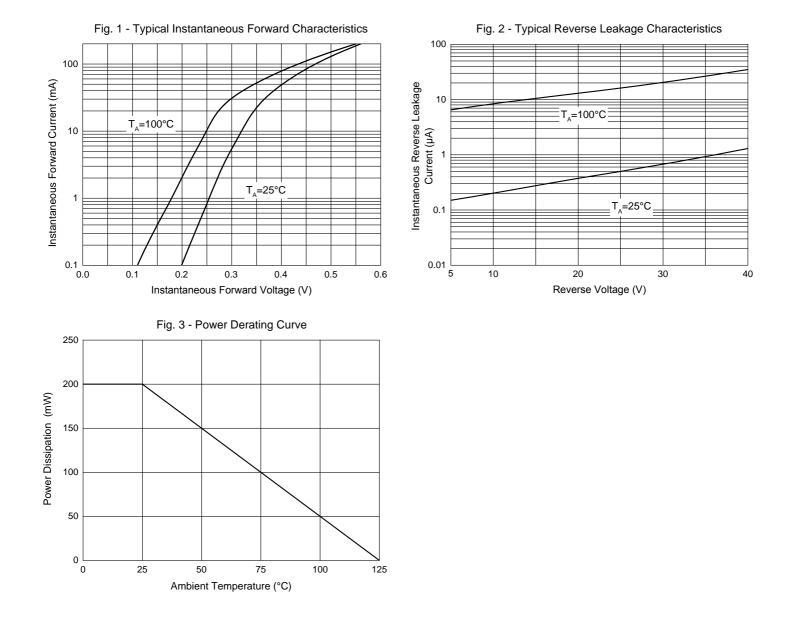


Suggested Solder Pad Layout





Curve Characteristics





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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