

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)

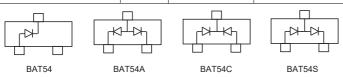
Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 400°C/W Junction to Ambient

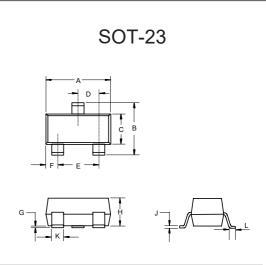
MCC Part Number		evice rking	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage
BAT54	KL1	L4/L4P	30V	30V
BAT54A	KL2	L42	30V	30V
BAT54C	KL3	L43	30V	30V
BAT54S	KL4	L44	30V	30V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	200mA	
Peak Forward Surge Current	I _{FSM}	600mA	t<1s
Power Dissipation	P _d	250mW	T _A = 25 °C
Maximum Forward Voltage	V _F	240mV 320mV 400mV 500mV 800mV	$I_F=0.1\text{mA}$ $I_F=1.0\text{mA}$ $I_F=10\text{mA}$ $I_F=30\text{mA}$ $I_F=100\text{mA}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	2μΑ	V _R = 25V
Maximum Junction Capacitance	CJ	10.0pF	Measured at 1.0MHz, V _R =1.0V
Maximum Reverse Recovery Time	t _{rr}	5.0ns	$I_F=I_R=10$ mA; $I_{rr}=0.1\times I_R, R_L=100\Omega$

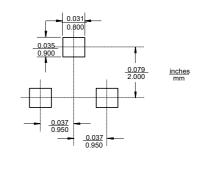


250mW,30V Schottky Barrier Diode



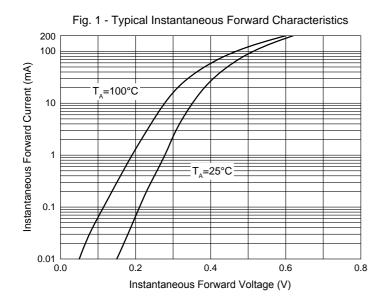
DIMENSIONS							
DIM	INC	INCHES		М	NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOIL		
Α	0.110	0.120	2.80	3.04			
В	0.083	0.104	2.10	2.64			
С	0.047	0.055	1.20	1.40			
D	0.034	0.041	0.85	1.05			
E	0.067	0.083	1.70	2.10			
F	0.018	0.024	0.45	0.60			
G	0.0004	0.006	0.01	0.15			
Н	0.035	0.043	0.90	1.10			
J	0.003	0.007	0.08	0.18			
K	0.012	0.020	0.30	0.51			
L	0.007	0.020	0.20	0.50			

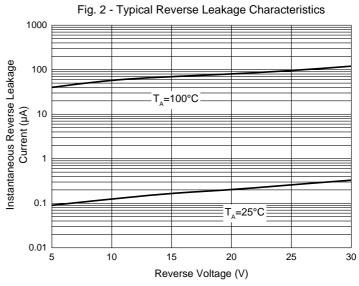
Suggested Solder Pad Layout

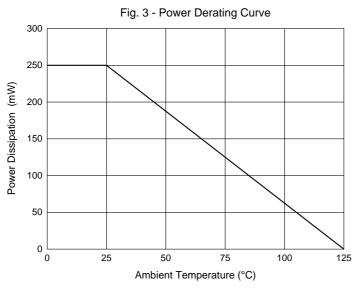




Curve Characteristics









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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