



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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BAT54W

Features

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

Maximum Ratings

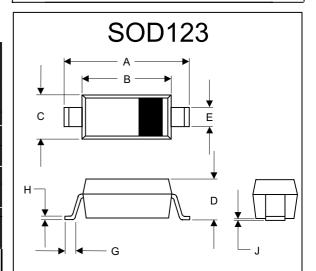
Continuous Reverse Voltage	V _R	30V	
Continuous Forward Current	lF	200mA	
Forwar Surge Current	I _{FSM}	600mA	
Total Power Dissipation @ T _A = 25°C	P _D	200mW	
Junction Temperature	Tj	125°C	
Storage Temperature Range	T _{stg}	-65 °C to 150°C	
D : 11 10			

Device Marking: L9

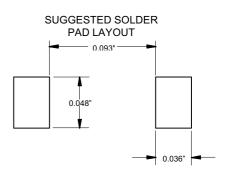
Electrical Characteristics @ 25°C Unless Otherwise Specified

Ratings	Symbol	Max.	Notes
Forward Voltage at $I_F = 0.1 \text{mA}$ $I_F = 1 \text{mA}$ $I_F = 10 \text{mA}$ $I_F = 30 \text{mA}$ $I_F = 100 \text{mA}$	V _F	240mV 320mV 400mV 500mV 1000mV	
Reverse Current	I _R	2.0μΑ	V _R = 25V
Capacitance	C _T	10pF	Measured at 1.0MHz, V _R =0
Reverse Breakdown Voltage	$V_{(BR)}$	>30V	
Thermal Resistance Junction to Ambient	$R_{\scriptscriptstyle{ hetaJA}}$	625K/W	

200mWatt, 30Volt Schottky Barrier Diode

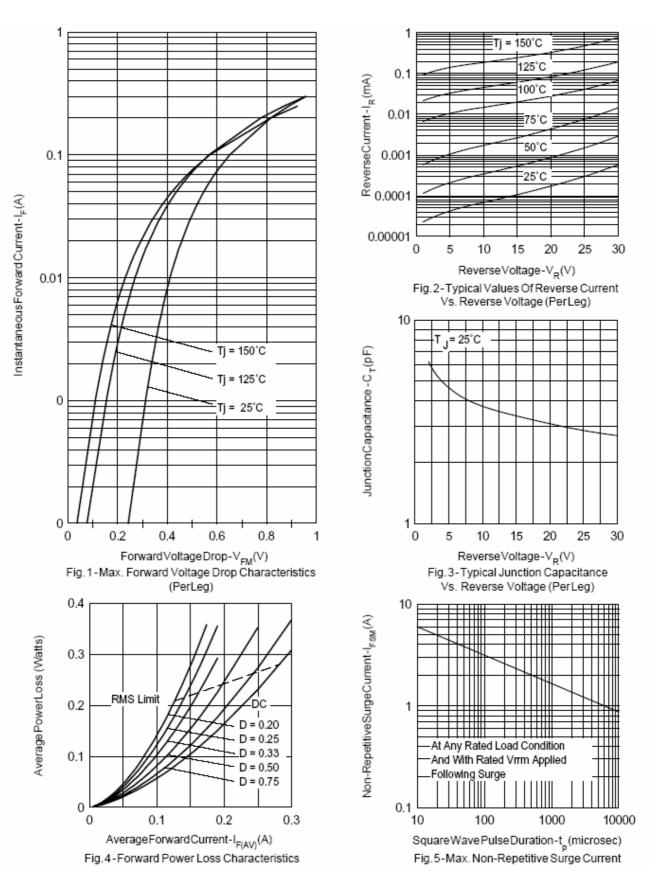


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
Α	.140	.152	3.55	3.85	
В	.100	.112	2.55	2.85	
С	.055	.071	1.40	1.80	
D		.053		1.35	
Е	.012	.031	0.30	0.78	
G	.006		0.15		
Н		.01		0.25	
J		.006		0.15	





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Ordering Information:

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

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