



Micro Commercial Components

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1N914W

Features

- Low Current Leakage
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Marking : 5D

Maximum Ratings

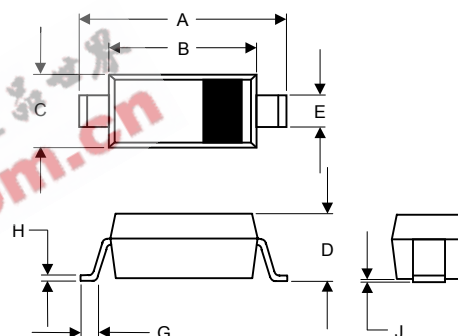
- Operating Temperature: 150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 312°C/W Junction To Ambient

Electrical Characteristics @ 25°C Unless Otherwise Specified

Reverse Voltage	V_R	75V 100V	$I_R=5\mu A$ $I_R=100\mu A$
Peak Reverse Voltage	V_{RM}	100V	
Average Rectified Forward Current	$I_{F(AV)}$	200mA	Resistive Load $f > 50Hz$
Power Dissipation	P_D	400mW	
Non-repetitive Peak Forward Surge Current	I_{FSM}	1.0A 2.0A	Pulse Width=1.0s Pulse Width=1.0μs
Forward Voltage	V_F	1.0V	$I_F=10mA$
Reverse Current	I_R	25nA 50μA 0.5μA	$V_R=20V$ $V_R=20V, T_J=150^\circ C$ $V_R=75V,$
Total Capacitance	C_J	4.0pF	Measured at 1.0MHz, $V_R=0V$
Reverse Recovery Time	T_{rr}	50nS	$I_F=I_R=10mA$ $I_{RR} = 3mA$ $R_L=100 OHM$

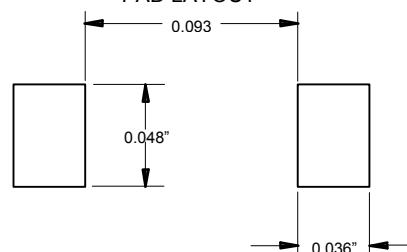
400mW 100 Volt
Small Signal
Diodes

SOD-123



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.140	.152	3.55	3.85	
B	.100	.112	2.55	2.85	
C	.055	.071	1.40	1.80	
D	---	.053	---	1.35	
E	.012	.031	0.30	0.78	
G	.006	---	0.15	---	
H	---	.010	---	0.25	
J	---	.006	---	0.15	

SUGGESTED SOLDER
PAD LAYOUT





TM

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