



Micro Commercial Components



Micro Commercial Components  
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# 1SS400

## Features

- High speed switching diode
- Small Surface Mount Type
- High Reliability with High Surge Current Handling Capability
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

## 90Volts High Speed Switching Diodes

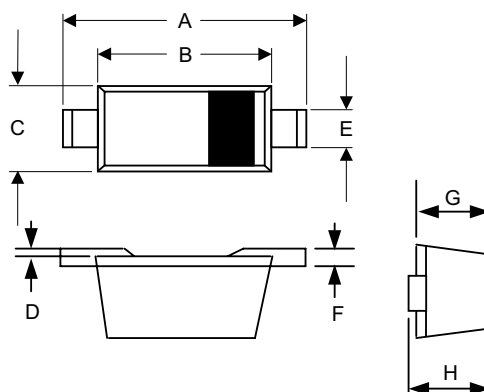
## Mechanical Data

- Case: SOD-523
- Marking: A
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

### Maximum Ratings @ 25°C Unless Otherwise Specified

Maximum RMS Voltage	$V_R$	80	V
Peak Reverse Voltage	$V_{RM}$	90	V
Average Forward Rectified Current	$I_O$	100	mA
Peak Forward Current	$I_{FM}$	225	mA
Surge Current(1S)	$I_{surge}$	500	mA
Storage Temperature Range	$T_{STG}$	-55 to +125	°C
Junction Temperature	$T_j$	125	°C

## SOD-523



### Electrical Characteristics @ 25°C Unless Otherwise Specified

Maximum Instantaneous Forward Voltage	$V_F$	1.20V	$I_{FM} = 100mA;$ $T_J = 25°C$
Maximum Average Reverse Current	$I_R$	0.1uA	$V_R=80Volts$ $T_J = 25°C$
Capacitance between Terminals	$C_T$	3.0pF	Measured at 1.0MHz, $V_R=0.5V$
Reverse Recovery Time	$T_{rr}$	4nS	$I_F=10mA$ $V_R = 6V, R_L=100 \Omega$

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.043	.051	1.10	1.30	
C	.030	.033	0.75	0.85	
D	.001	.003	0.01	0.07	
E	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	
G	.020	.028	0.50	0.70	
H	.020	.031	0.51	0.77	



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## Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel

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