



Micro Commercial Components



Micro Commercial Components  
20736 Marilla Street Chatsworth  
CA 91311  
Phone: (818) 701-4933  
Fax: (818) 701-4939

**1SS355**

## Features

- High speed switching diode
- Surface Mount
- For general purpose switching applications
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

## Mechanical Data

- Marking: A
- Polarity: Indicated by Cathode Band
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

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

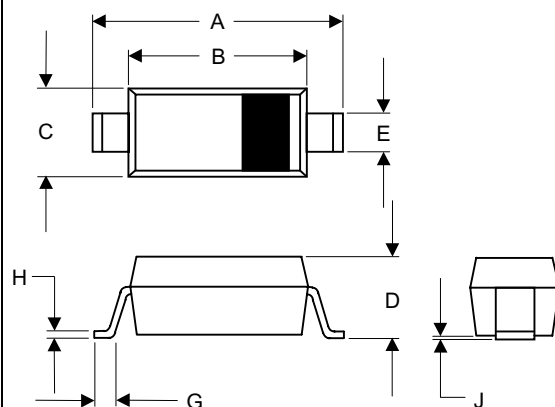
Maximum RMS Voltage	$V_R$	63	V
Maximum Recurrent Peak Reverse Voltage	$V_{RM}$	90	V
Maximum DC Blocking	$V_{DC}$	80	V
Maximum Average Forward Rectified Current	$I_O$	0.1	A
Peak Forward Surge Current	$I_{FSM}$	0.5	A
Operation/Storage Temp. Range	$T_J, T_{STG}$	-55 to +150	°C

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

Maximum Instantaneous Forward Voltage	$V_F$	1.20V	$I_{FM} = 100mA;$ $T_J = 25^\circ C$
Maximum Average Reverse Current	$I_R$	0.1uA	$V_R = 80Volts$ $T_J = 25^\circ C$
Typical Junction Capacitance	$C_J$	3.0pF	Measured at 1.0MHz, $V_R = 6.0V$
Reverse Recovery Time	$T_{rr}$	4nS	$I_F = 10mA$ $V_R = 6V$

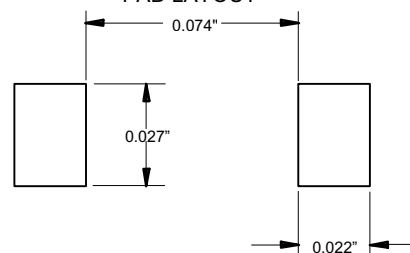
**90 Volt  
Switching Diode**

**SOD-323**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.090	.107	2.30	2.70	
B	.063	.071	1.60	1.80	
C	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
E	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
H	.004	.010	0.10	0.25	
J	-----	.006	-----	0.15	

SUGGESTED SOLDER  
PAD LAYOUT



## 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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