



Micro Commercial Components



Micro Commercial Components  
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## RB551V-30

**500 mA**  
**Schottky Barrier Diode**  
**30 Volts**

### Features

- Halogen free available upon request by adding suffix "-HF"
- Marking: D
- High Current Rectifier Schottky Diode
- Low Voltage, Low Inductance
- For Power Supply
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)

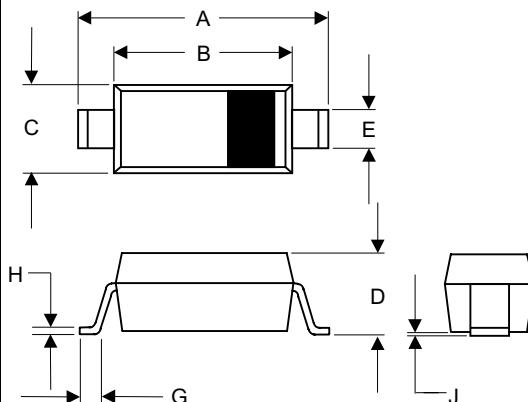
### Maximum Ratings

Symbol	Rating	Rating	Unit
$V_{RM}$	Peak Reverse Voltage	30	V
$V_R$	DC Reverse Voltage	20	V
$I_O$	Mean Rectifying Current	500	mA
$I_{FSM}$	Peak Forward Surge Current*	2	A
$T_J$	Junction Temperature	125	°C
$T_{STG}$	Storage Temperature	-40 to +125	°C

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

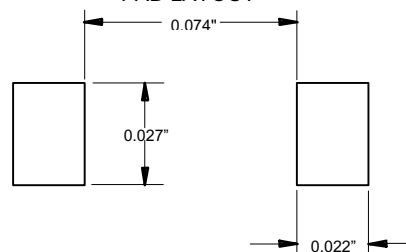
Symbol	Parameter	Min	Typ	Max	Units
<b>OFF CHARACTERISTICS</b>					
$V_F$	Forward Voltage ( $I_F=100mA$ ) ( $I_F=500mA$ )	---	---	0.36 0.47	Vdc
$I_R$	Reverse Current ( $V_R=20Vdc$ )	---	---	100	$\mu A$

### 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





TM

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**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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