



# RB520S-40

**200 mA**  
**Schottky Barrier Diode**  
**40 Volts**

## Features

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- High Reliability
- Low Reverse Current and Low Forward Voltage.
- Small Surface Mount Type
- Marking : D1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

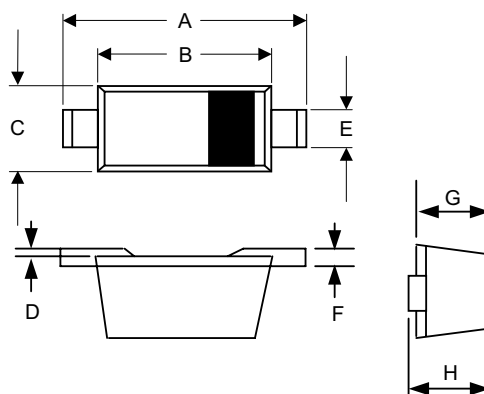
## Maximum Ratings

Symbol	Rating	Rating	Unit
V <sub>R</sub>	DC Reverse Voltage	40	V
I <sub>O</sub>	Mean Rectifying Current	200	mA
I <sub>FSM</sub>	Peak Forward Surge Current	1	A
T <sub>J</sub>	Junction Temperature	125	°C
T <sub>STG</sub>	Storage Temperature	-40 to +125	°C

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage @ I <sub>F</sub> =100mA @ I <sub>F</sub> =10mA	V <sub>F</sub>	---	---	0.55 0.39	V
Reverse Current @V <sub>R</sub> =10V @V <sub>R</sub> =40V	I <sub>R</sub>	---	---	1 10	uA

## SOD-523



DIM	DIMENSIONS				NOTE
	INCHES		MM		
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: 8Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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