

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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RB520S-40

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
- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)

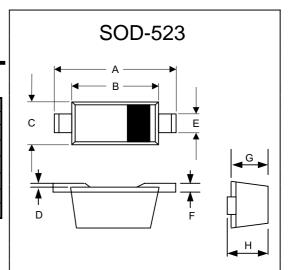
Maximum Ratings

Symbol	Rating		Unit
V_R	DC Reverse Voltage	40	٧
lo	Mean Rectifying Current	200	mA
I _{FSM}	Peak Forward Surge Current@t=8.3ms	1	А
P _D	Power Dissipation	150	mW
R _{thJA}	Thermal Resistance Junction to Ambient	667	°C/W
TJ	Junction Temperature	125	$^{\circ}\!\mathbb{C}$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}\!\mathbb{C}$

Electrical Characteristics @ 25°C Unless Otherwise Specified

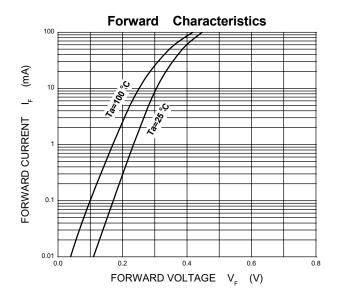
Parameter	Symbol	Min.	Тур.	Max.	Unit
Forward Voltage @ I _F =10mA @ I _F =100mA	V_{F}		0.30 0.45	0.39 0.55	>
Reverse Current @V _R =10V @V _R =40V	I _R		0.6 2.8	1 10	μΑ

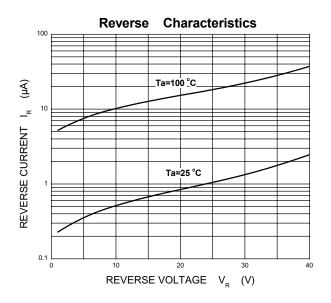
200 mA Schottky Barrier Diode 40 Volts

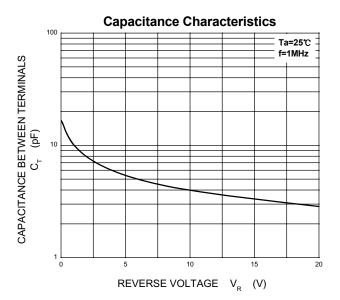


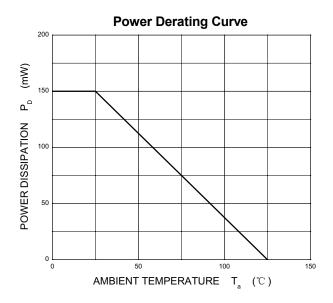
DIMENSIONS						
	INCH	ES MM		М		
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.059	.067	1.50	1.70		
В	.043	.051	1.10	1.30		
С	.030	.033	0.75	0.85		
D	.001	.003	0.01	0.07		
Е	.010	.014	0.25	0.35		
F	.003	.006	0.08	0.15		
G	.020	.028	0.50	0.70		
Н	.020	.031	0.51	0.77		

Typical Characteristics











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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