

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 (818) 701-4939 **RB520G-30**

Features

- Halogen free available upon request by adding suffix "-HF" Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: E

Symbol

- High Reliability
- Low Reverse Current and Low Forward Voltage.
- Small Surface Mount Type

Maximum Ratings

Symbol	Rating	Rating	Unit
V_R	DC Reverse Voltage	30	V
Ιο	Mean Rectifying Current	100	mA
I _{FSM}	Peak Forward Surge Current*	0.5	Α
T_J	Junction Temperature	125	$^{\circ}$
T _{STG}	Storage Temperature	-40 to +125	$^{\circ}\mathbb{C}$

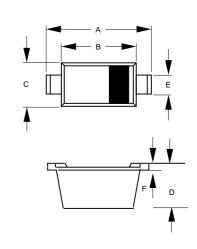
Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter

V_{F}	Forward Voltage (I _F =10mAdc)	 	0.45	Vdc
I _R	Reverse Current (V _R =10Vdc)	 	0.5	uAdc

100 mA **Schottky Barrier Diode** 30 Volts

SOD-723



DIMENSIONS					
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.051	.059	1.30	1.50	
В	.035	.043	0.90	1.10	
С	.022	.026	0.55	0.65	
D	.021	.026	0.525	0.65	
Е	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	

Min Typ Max Units

RB520G-30



Electrical characteristic curves (Ta=25°C)

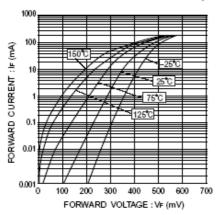


Fig.1 Forward characteristics

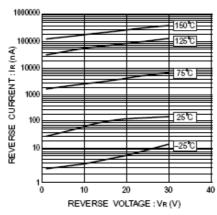


Fig.2 Reverse characteristics

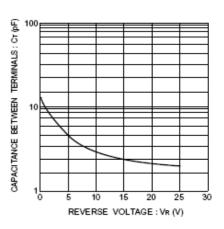


Fig. 3 Capacotance between terminals characteristics



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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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