



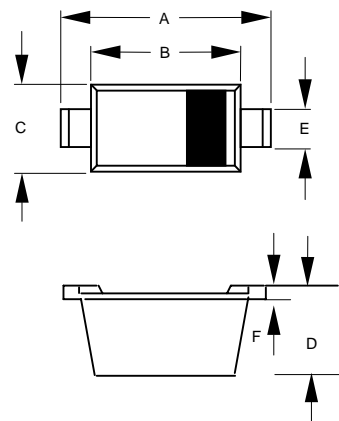
# RB520G-30

**100 mA**  
**Schottky Barrier Diode**  
**30 Volts**

## Features

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

## SOD-723



## Maximum Ratings

Symbol	Rating	Rating	Unit
V <sub>R</sub>	DC Reverse Voltage	30	V
I <sub>O</sub>	Mean Rectifying Current	100	mA
I <sub>FSM</sub>	Peak Forward Surge Current*	0.5	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

Symbol	Parameter	Min	Typ	Max	Units
V <sub>F</sub>	Forward Voltage (I <sub>F</sub> =10mA <sub>dc</sub> )	---	---	0.45	V <sub>dc</sub>
I <sub>R</sub>	Reverse Current (V <sub>R</sub> =10V <sub>dc</sub> )	---	---	0.5	uA <sub>dc</sub>

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.051	.059	1.30	1.50	
B	.035	.043	0.90	1.10	
C	.022	.026	0.55	0.65	
D	.021	.026	0.525	0.65	
E	.010	.014	0.25	0.35	
F	.003	.006	0.08	0.15	

●Electrical characteristic curves (Ta=25°C)

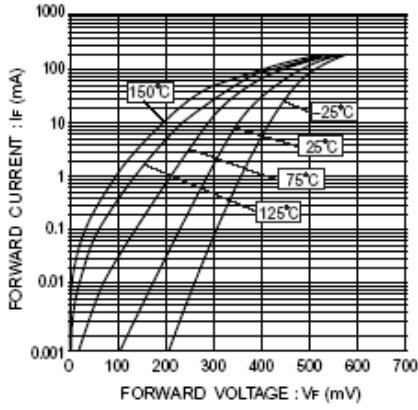


Fig.1 Forward characteristics

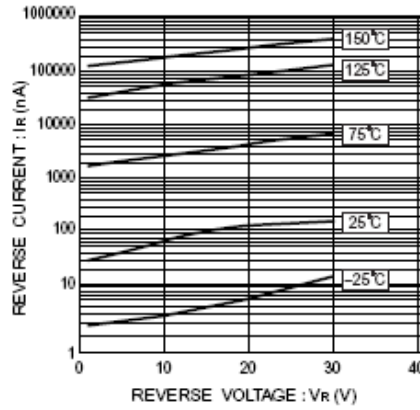


Fig.2 Reverse characteristics

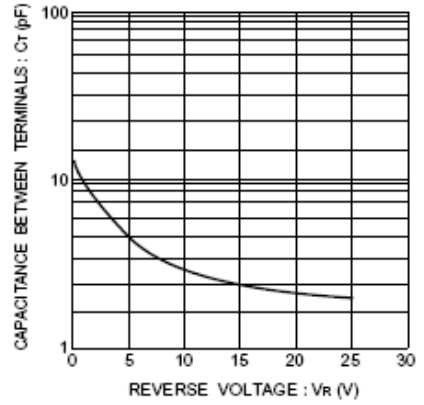


Fig. 3 Capacitance between terminals characteristics



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### Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 8Kpcs/Reel

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