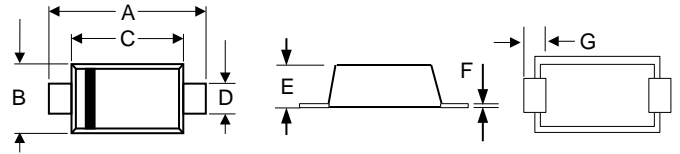


## Features

- \* Extremely small surface mounting type
- \* High reliability
- \* Marking Code: "B"



RoHS  
COMPLIANT



SOD-523F				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.059	0.067	1.50	1.70
B	0.030	0.033	0.75	0.85
C	0.045	0.049	1.15	1.25
D	0.012	0.016	0.30	0.40
E	0.024	0.028	0.60	0.70
F	0.004	0.005	0.10	0.14

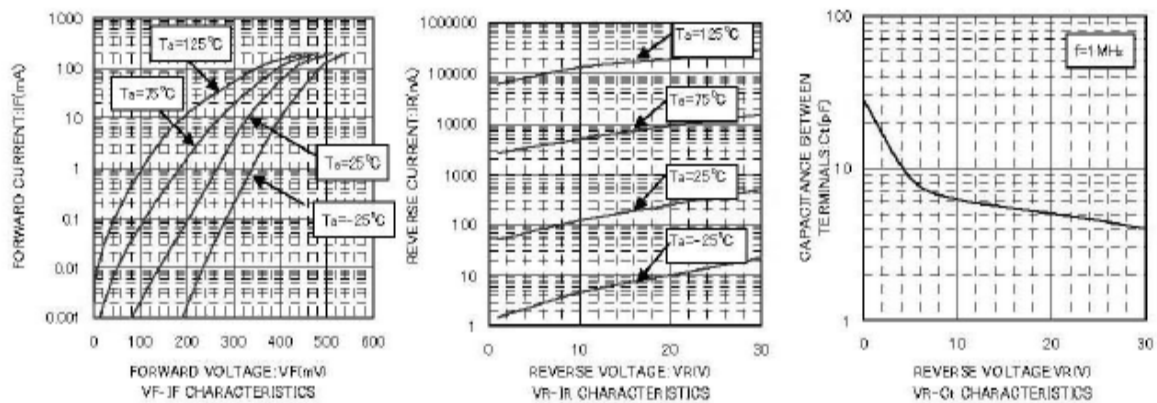
## Maximum Ratings (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Reverse Voltage	V <sub>R</sub>	40	V
Mean Rectifying Current	I <sub>F(AV)</sub>	200	mA
Peak Forward Surge Current	I <sub>FSM</sub>	1	A
Junction Temperature	T <sub>j</sub>	125	°C
Storage Temperature Range	T <sub>stg</sub>	- 40 to + 125	°C

## Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Max.	Unit
Forward Voltage at I <sub>F</sub> = 10 mA at I <sub>F</sub> = 100 mA	V <sub>F</sub>	0.39 0.55	V
Reverse Current at V <sub>R</sub> = 10 V at V <sub>R</sub> = 40 V	I <sub>R</sub>	1 10	μA

### Ratings and Characteristic Curves



### Ordering Information

Part No.	Package	Packing Code	Packing
RB520S-40	SOD-523F	R30	3000pcs/Reel

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