

## Excellent Integrated System Limited

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[Micro Commercial Components \(MCC\)](#)  
[RB520S-30LP-TP](#)

For any questions, you can email us directly:

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# RB520S-30LP

**100 mA**  
**Schottky Rectifier**  
**30 Volts**

## Features

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

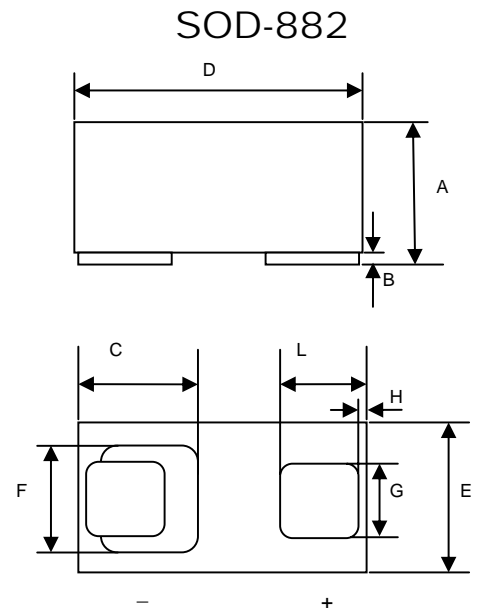


## Maximum Ratings

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

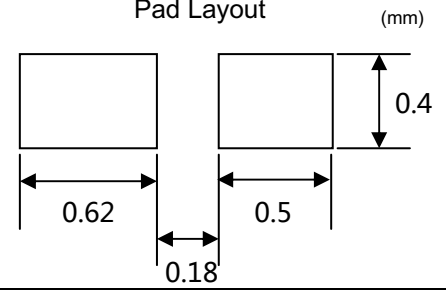
## Electrical Characteristics @ 25°C Unless Otherwise Specified

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	0.018	0.022	0.45	0.55	
B	0.000	0.003	0.01	0.07	
C	0.019 REF.		0.470 REF.		
D	0.037	0.041	0.95	1.05	
E	0.022	0.026	0.55	0.65	
F	0.017 REF.		0.420 REF.		
G	0.011	0.015	0.27	0.37	
H	0.001 REF.		0.030 REF.		
L	0.013	0.017	0.34	0.44	

### Suggested Solder Pad Layout



## Typical Characteristics

●Electrical characteristic curves (Ta=25°C)

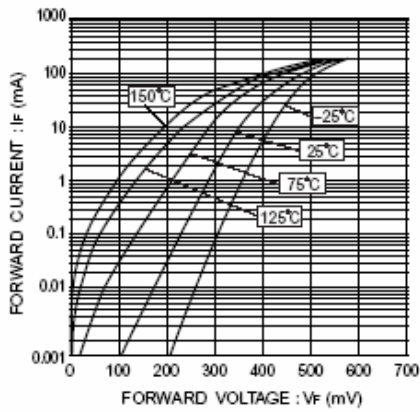


Fig.1 Forward characteristics

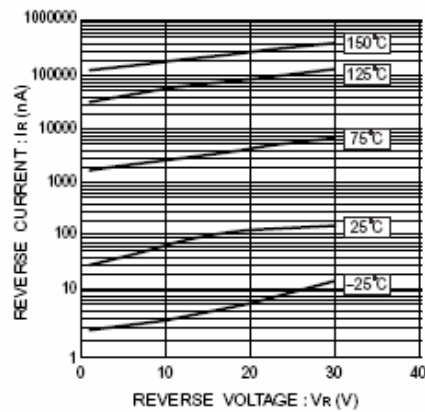


Fig.2 Reverse characteristics

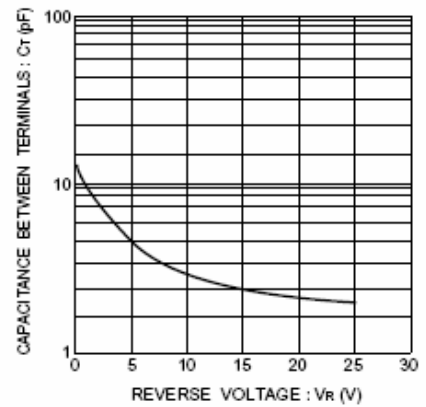


Fig. 3 Capacitance between terminals characteristics



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### Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

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

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