



# RB520S-30L2

**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:E1
- Halogen free available upon request by adding suffix "-HF"

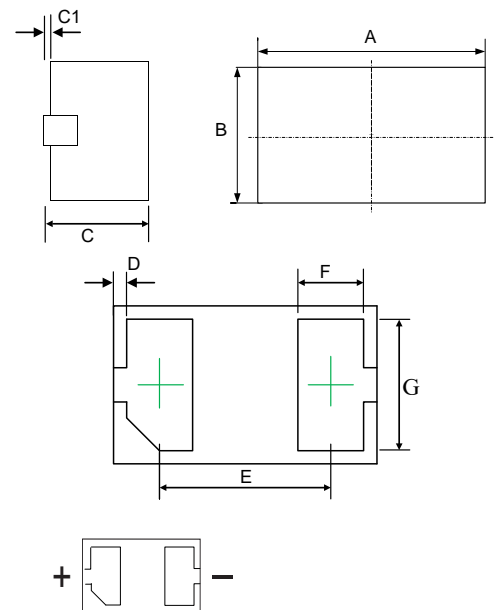
## Maximum Ratings

Symbol	Rating	Rating	Unit
$V_R$	DC Reverse Voltage	30	V
$I_O$	Mean Rectifying Current	100	mA
$I_{FSM}$	Peak Forward Surge Current	0.5	A
$T_J$	Junction Temperature	125	°C
$T_{STG}$	Storage Temperature	-40 to +125	°C

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
$V_F$	Forward Voltage ( $I_F=10mA_{dc}$ )	---	---	0.45	Vdc
$I_R$	Reverse Current ( $V_R=10V_{dc}$ )	---	---	0.5	$\mu A_{dc}$

## DFN1006-2L



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	0.037	0.041	0.95	1.05	
B	0.022	0.026	0.55	0.65	
C	0.016	0.020	0.40	0.50	
C1	---	0.002	---	0.05	
D	0.001	0.003	0.02	0.08	
E	0.026BSC		0.65BSC		
F	0.008	0.012	0.20	0.30	
G	0.018	0.022	0.45	0.55	

## Typical Characteristics

●Electrical characteristic curves (Ta=25°C)

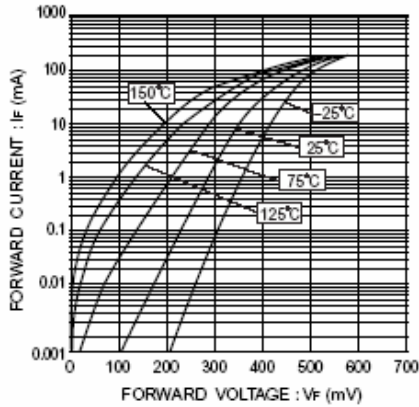


Fig.1 Forward characteristics

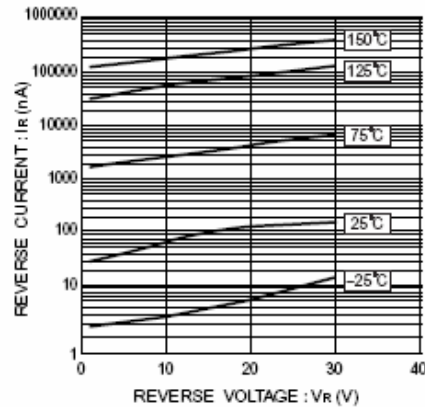


Fig.2 Reverse characteristics

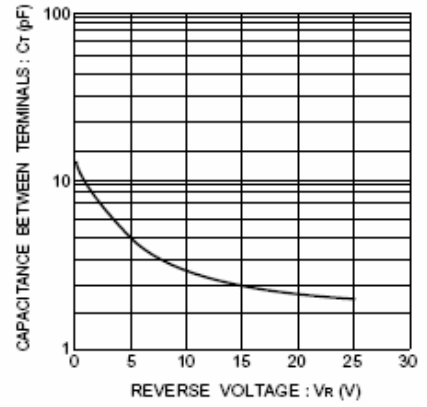


Fig. 3 Capacitance between terminals characteristics



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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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