

**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)
- Halogen Free. "Green" Device (Note 1)

**Maximum Ratings**

- Operating Junction Temperature Range: 125°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 1000°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage
RB520S-30L2	E1	30V	30V

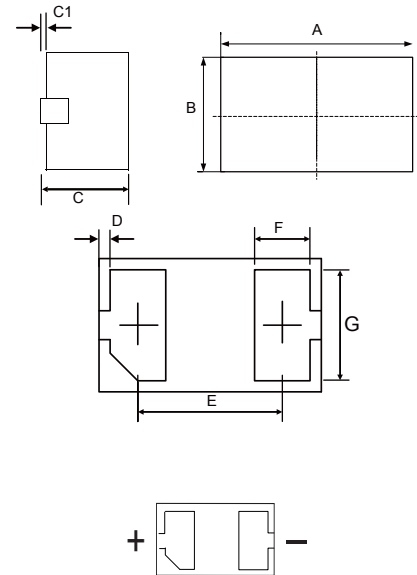
**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Mean Rectifying Current	$I_O$	100mA	
Peak Forward Surge Current	$I_{FSM}$	0.5A	t=8.3ms
Forward Voltage	$V_F$	0.45V(Max)	$I_F=10mA$ ;
Reverse Current	$I_R$	0.5µA(Max)	$V_R=10V$

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

**100 mA  
Schottky Rectifier  
30 Volts**

**DFN1006-2L**



**DIMENSIONS**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
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	

**Curve Characteristics**

Fig. 1 - Forward Characteristics

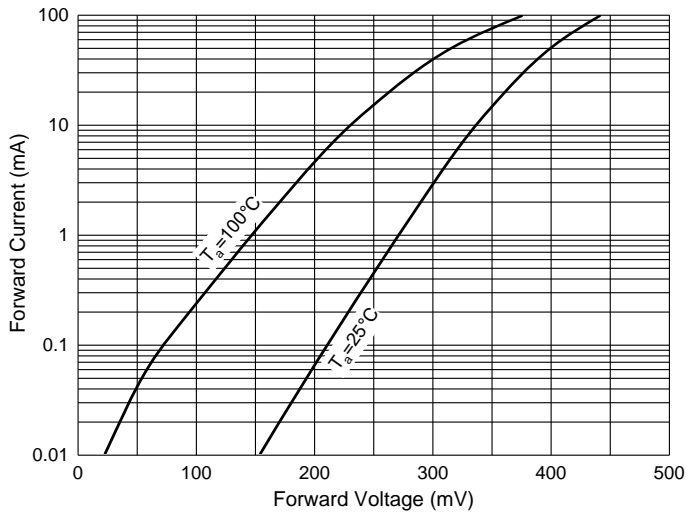


Fig. 2 - Reverse Characteristics

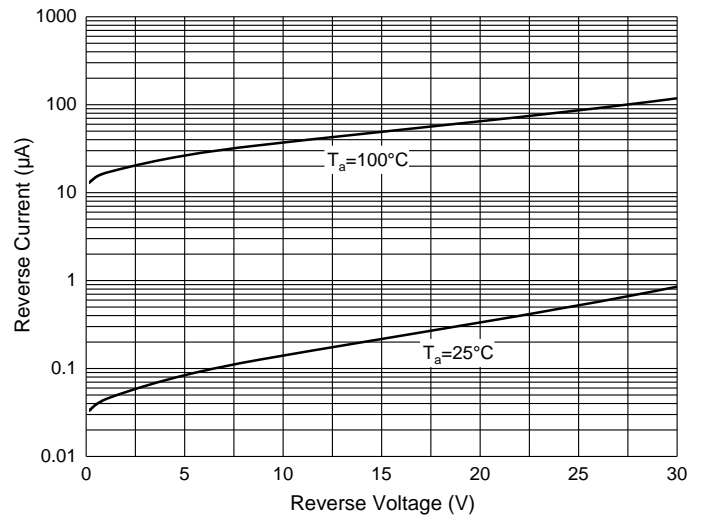


Fig. 3 - Capacitance Characteristics

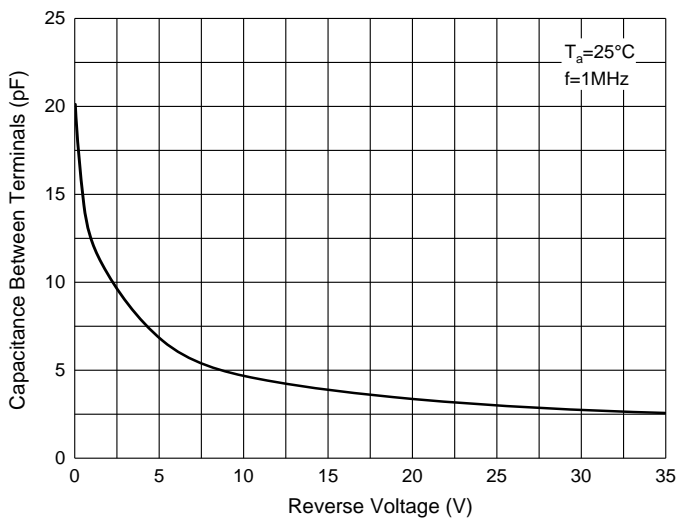
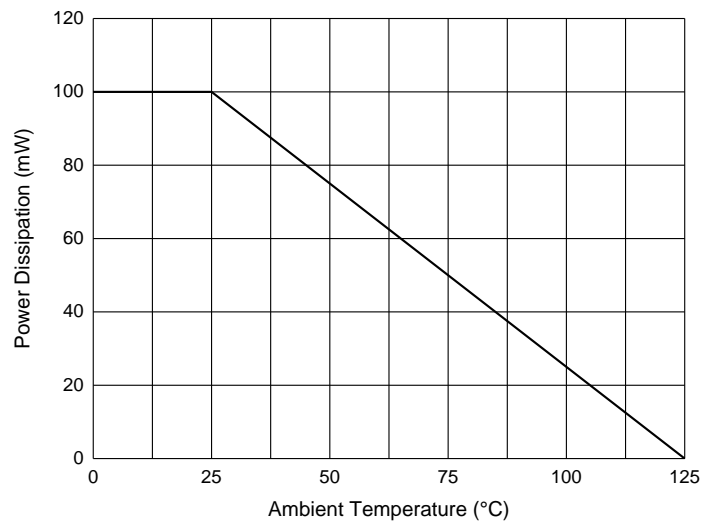


Fig. 4 - Power Derating Curve



## Ordering Information

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

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