

#### **Features**

- Small Surface Mounting Type
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisure Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- Halogen Free. "Green" Device (Note 1)

## 100 mA Schottky Rectifier 30 Volts

## **Maximum Ratings**

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

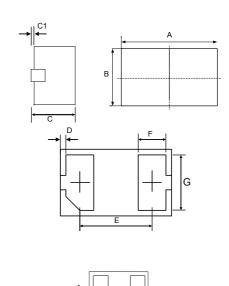
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage
RB520S-30L2	E1	30V	30V

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Mean Rectifying Current	I <sub>O</sub>	100mA	
Peak Forward Surge Current	I <sub>FSM</sub>	0.5A	t=8.3ms
Forward Voltage	V <sub>F</sub>	0.45V(Max)	I <sub>F</sub> =10mA;
Reverse Current	I <sub>R</sub>	0.5μA(Max)	V <sub>R</sub> =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.

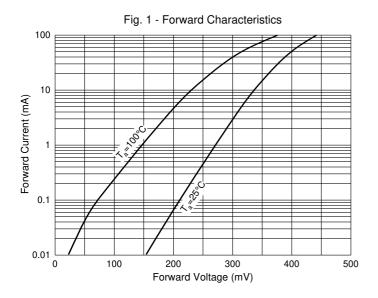
# DFN1006-2L

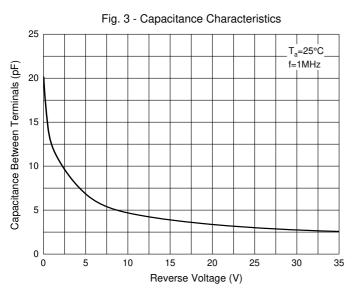


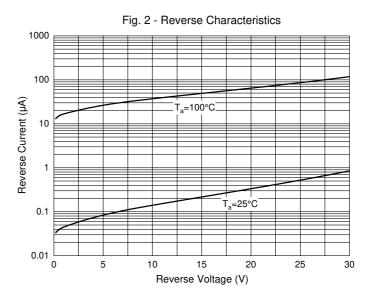
DIMENSIONS							
DIM	INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.037	0.041	0.95	1.05			
В	0.022	0.026	0.55	0.65			
С	0.016	0.020	0.40	0.50			
C1		0.002		0.05			
D	0.001	0.003	0.02	0.08			
Е	0.026BSC		0.65BSC				
F	0.008	0.012	0.20	0.30			
G	0.018	0.022	0.45	0.55			

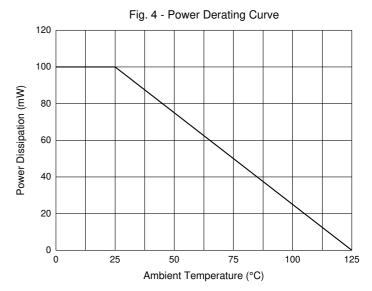


## **Curve Characteristics**











## **Ordering Information**

Device	Packing	
Part Number-TP	Tape&Reel10Kpcs/Reel	

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