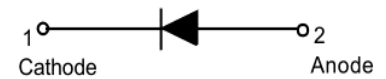
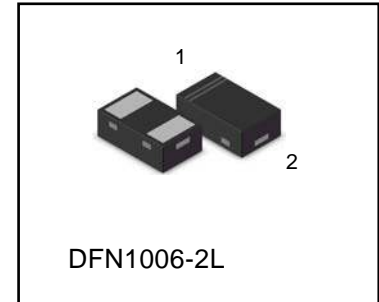


## DFN1006-2L Plastic-Encapsulate Diodes

### Schottky Rectifier



### 1. FEATURES

- Extremely small surface mounting type.
- Low IR
- High reliability.
- Silicon epitaxial planar
- We declare that the material of product compliance with RoHS requirements.

### 2. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
RB520BS-30	L	10000/Tape&Reel

### 3. MAXIMUM RATINGS(Ta = 25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage(DC)	VR	30	V
Average rectified forward current	Io	200	mA
Peak forward surge current	IFSM	500	mA
Junction temperature	Tj	125	°C
Storage Temperature Range	TSTG	-40~+125	°C

### 4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward voltage (IF =200mA)	VF			0.6	V
Reverse current (VR =10V)	IR			1	μA

# Typical Characteristics

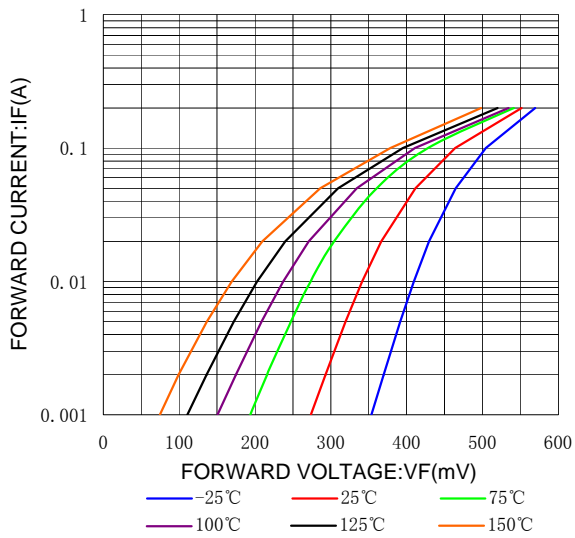


Fig.1 FORWARD CHARACTERISTICS

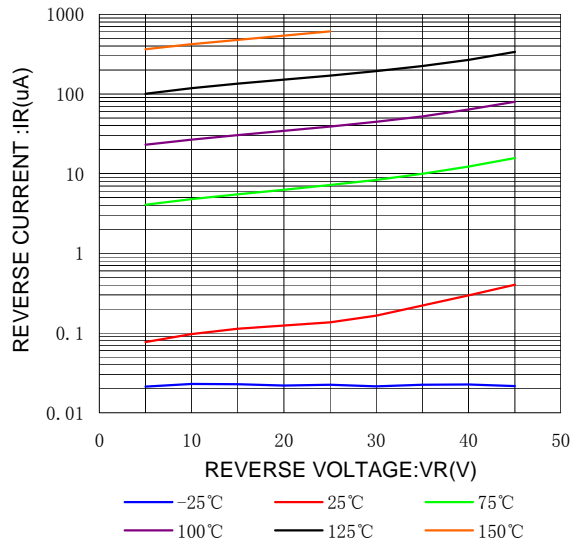


Fig.2 REVERSE CHARACTERISTICS

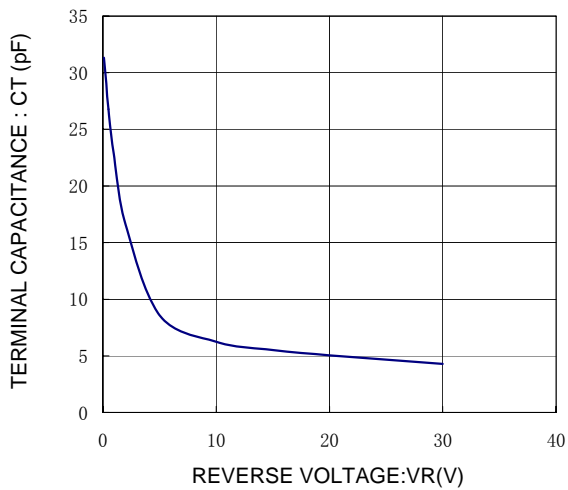
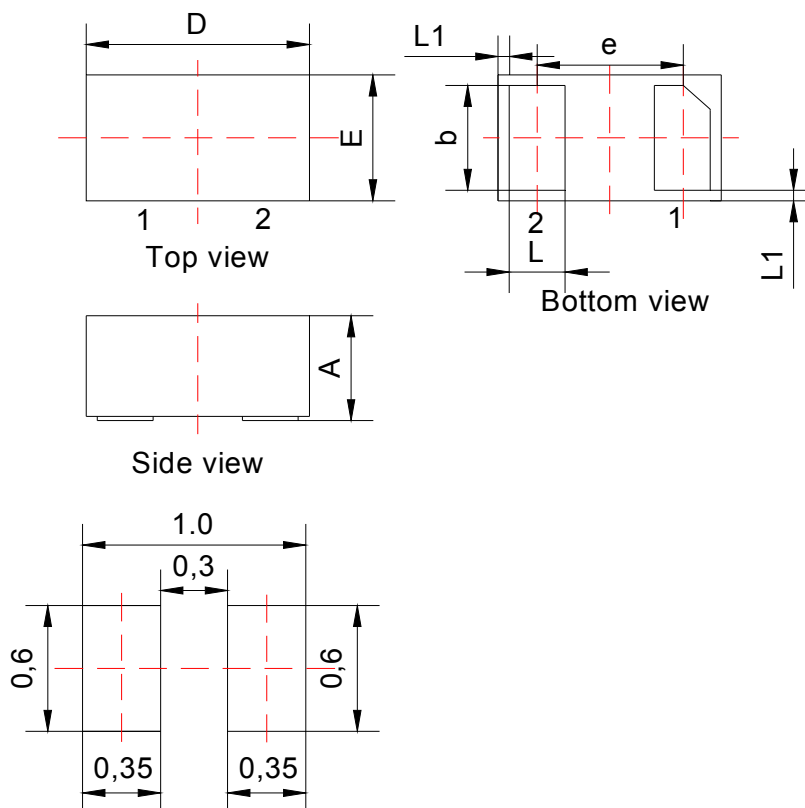


Fig.3 V<sub>R</sub>-C<sub>T</sub> CHARACTERISTICS



Recommended soldering footprint(mm)

Symbol	Millimeters		Min.	Max.
	Min.	M		
A	0.3	0.42	0.013	0.017
b	0.4	0.55	0.018	0.022
D	0.9	1.05	0.037	0.041
e	0.5	0.65	0.022	0.026
E	0.5	0.65	0.022	0.026
L	0.2	0.38	0.011	0.015
L1	0.00	0.10	0.000	0.004