

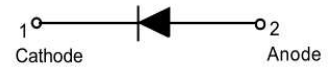
# RB520BS-30

# S-RB520BS-30

Schottky barrier diode

## 1. FEATURES

- Extremely small surface mounting type. (DFN1006-2L)
- Low IR
- High reliability.
- Silicon epitaxial planar
- We declare that the material of product compliance with RoHS requirements.
- S- Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable.



## 2. DEVICE MARKING AND ORDERING INFORMATION

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

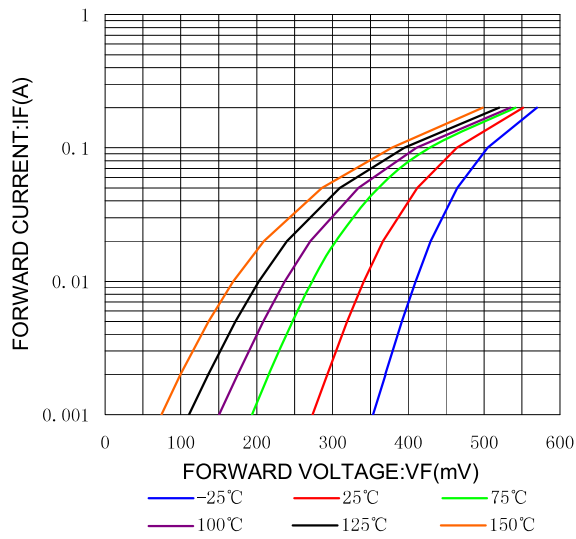
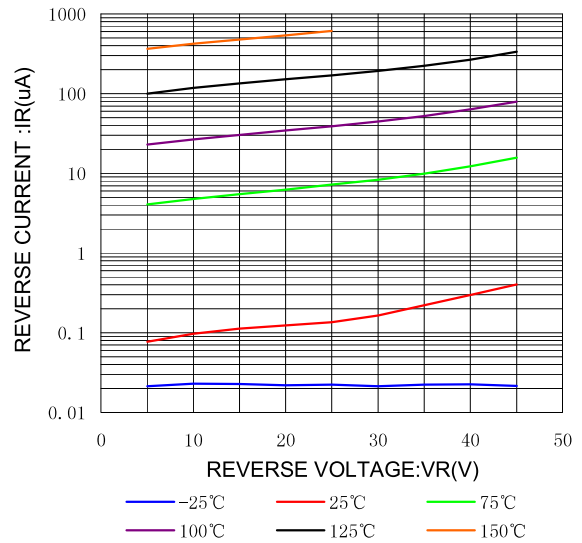
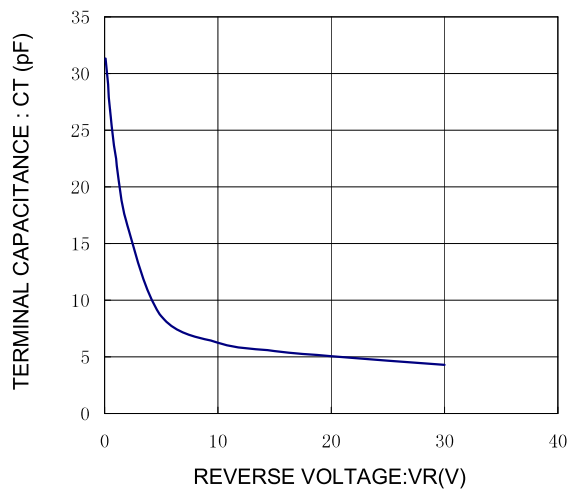
## 3. MAXIMUM RATINGS(Ta = 25°C)

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

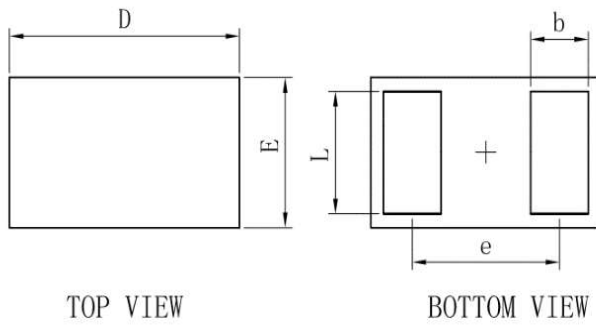
## 4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

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

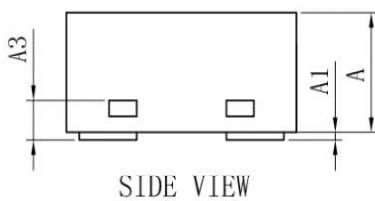


**5.ELECTRICAL CHARACTERISTICS CURVES**

**Fig.1 FORWARD CHARACTERISTICS**

**Fig.2 REVERSE CHARACTERISTICS**

**Fig.3 VR-CT CHARACTERISTICS**

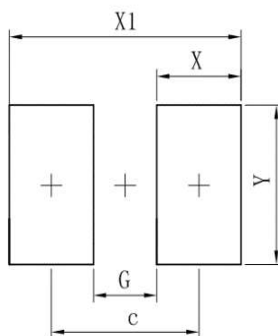

## 6.OUTLINE AND DIMENSIONS



SOD882			
Dim	Min	Typ.	Max
D	0.95	1.00	1.05
E	0.55	0.60	0.65
e	-	0.64	-
L	0.44	0.49	0.54
b	0.20	0.25	0.30
A	0.43	0.48	0.53
A1	0	-	0.05
A3	0.127REF.		
All Dimensions in mm			



## 7.SOLDERING FOOTPRINT



Dimensions	(mm)
c	0.70
G	0.30
X	0.40
X1	1.10
Y	0.70

