

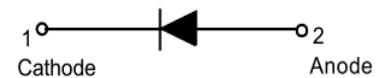
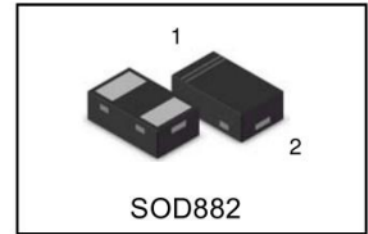
LRB521BS-40T5G

S-LRB521BS-40T5G

Schottky barrier diode

1. FEATURES

- Extremely small surface mounting type. (SOD882)
- Low VF
- High reliability.
- 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. APPLICATIONS

- Low current rectification

3. DEVICE MARKING AND ORDERING INFORMATION

| Device | Marking | Shipping |
|----------------|---------|-----------------|
| LRB521BS-40T5G | T | 10000/Tape&Reel |

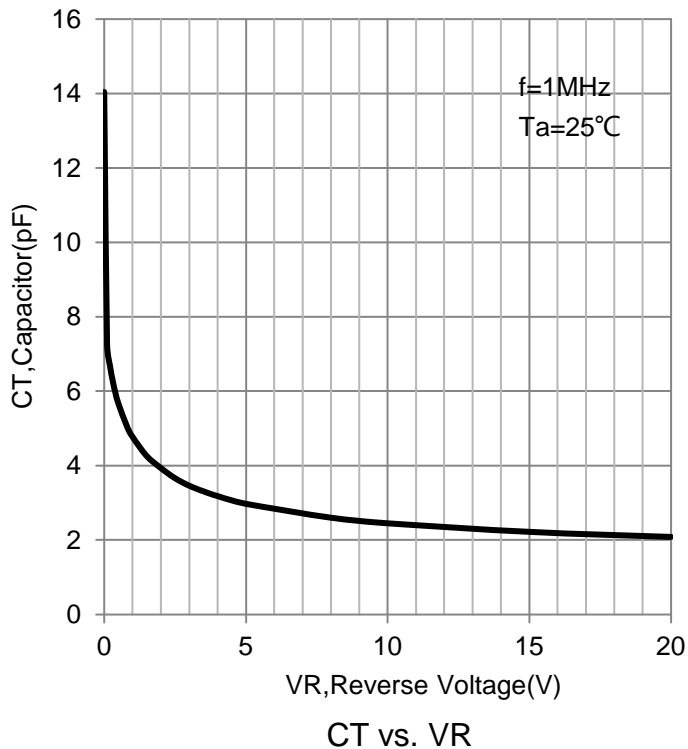
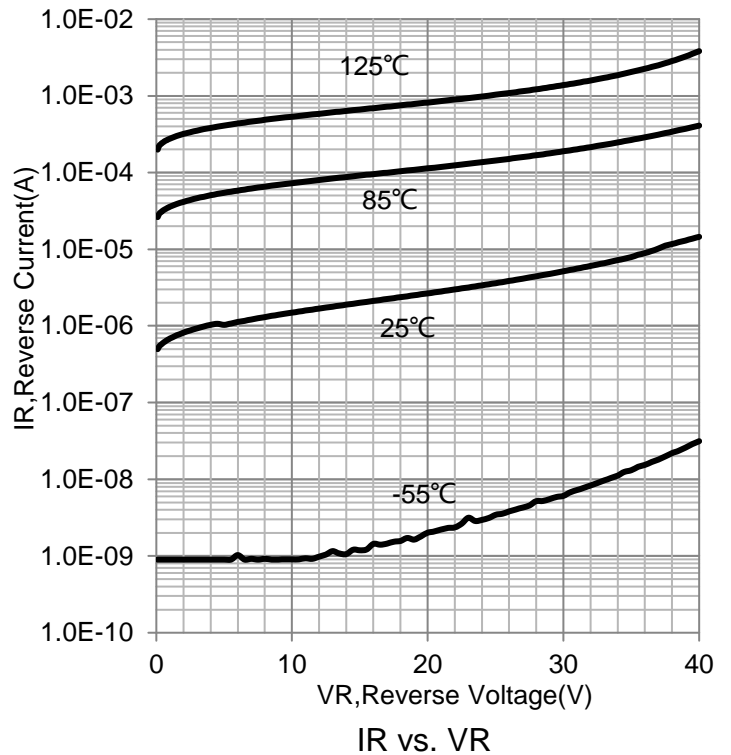
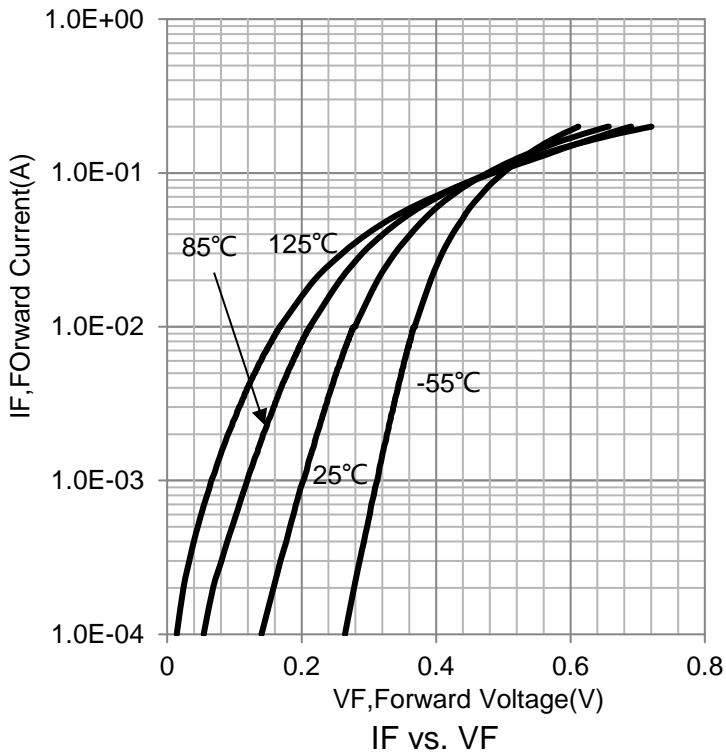
4. MAXIMUM RATINGS(Ta = 25°C)

| Parameter | Symbol | Limits | Unit |
|---------------------------------------|--------|----------|------|
| Reverse voltage(DC) | VR | 40 | V |
| Average rectified forward current | Io | 200 | mA |
| Forward current surge peak(60Hz 1cyc) | IFSM | 500 | mA |
| Junction temperature | Tj | 125 | °C |
| Storage Temperature Range | TSTG | -40~+125 | °C |

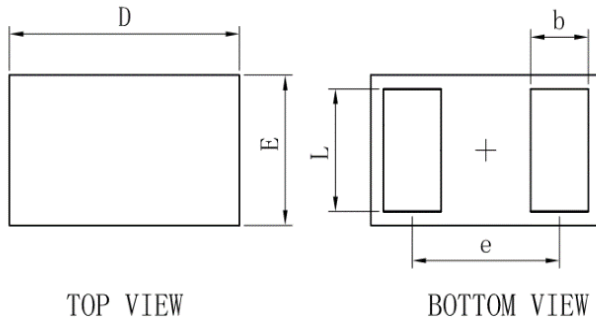
5. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit |
|-------------------------------|--------|------|------|------|------|
| Forward voltage (IF =10mA) | VF | | | 0.35 | V |
| (IF =20mA) | | | | 0.4 | |
| Reverse current (VR =10V) | IR | | | 10 | µA |

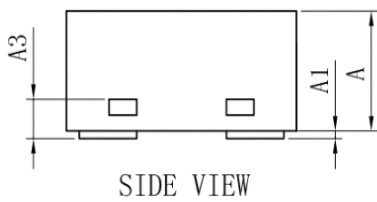
6. ELECTRICAL CHARACTERISTICS CURVES



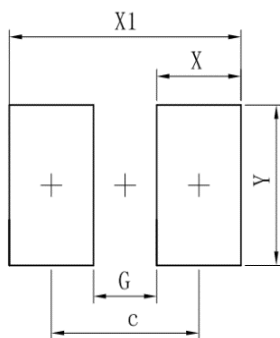
7. OUTLINE AND DIMENSIONS



| 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 | | | |



8. SOLDERING FOOTPRINT



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

单击下面可查看定价，库存，交付和生命周期等信息

[>>LRC\(乐山无线电\)](#)