

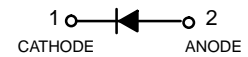
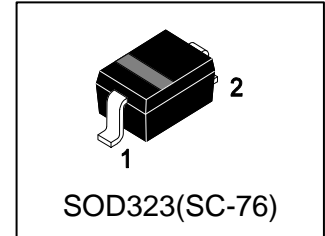
# LRB550V-30T1G

# S-LRB550V-30T1G

## Schottky Barrier Diode

### 1. FEATURES

- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- S- prefix for automotive and other applications requiring unique site and control change requirements; AEC-Q101 qualified and PPAP capable.
- Low VF,Low IR.
- Small surface mounting type.
- High reliability.



### 2. APPLICATIONS

- General rectification
- Silicone pitaxial planar

### 3. DEVICE MARKING AND ORDERING INFORMATION

| Device        | Marking | Shipping        |
|---------------|---------|-----------------|
| LRB550V-30T1G | SD      | 3000/Tape&Reel  |
| LRB550V-30T3G | SD      | 10000/Tape&Reel |

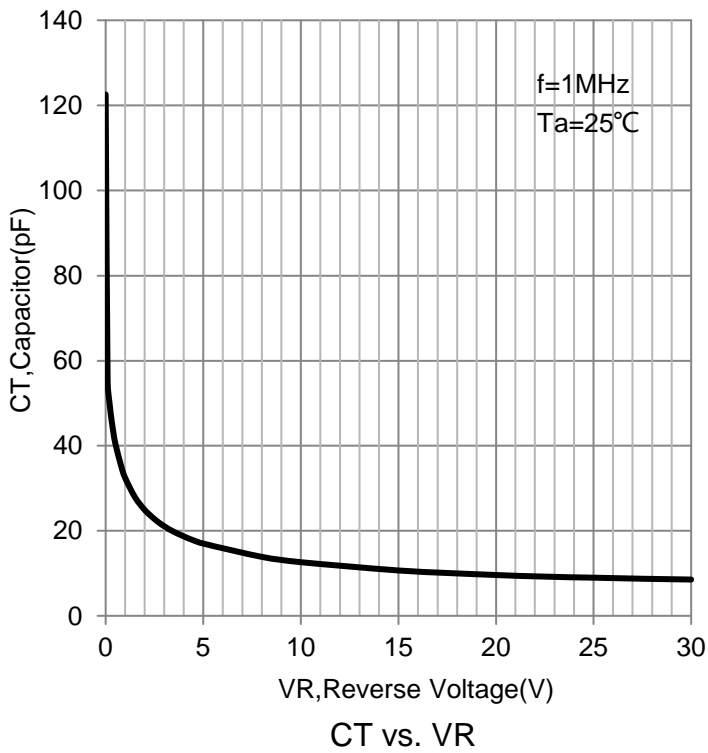
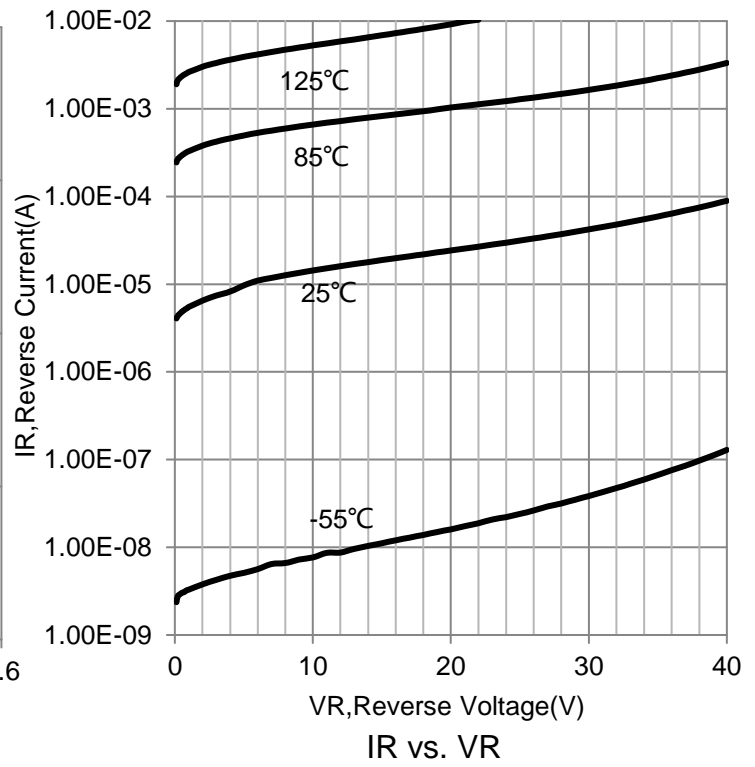
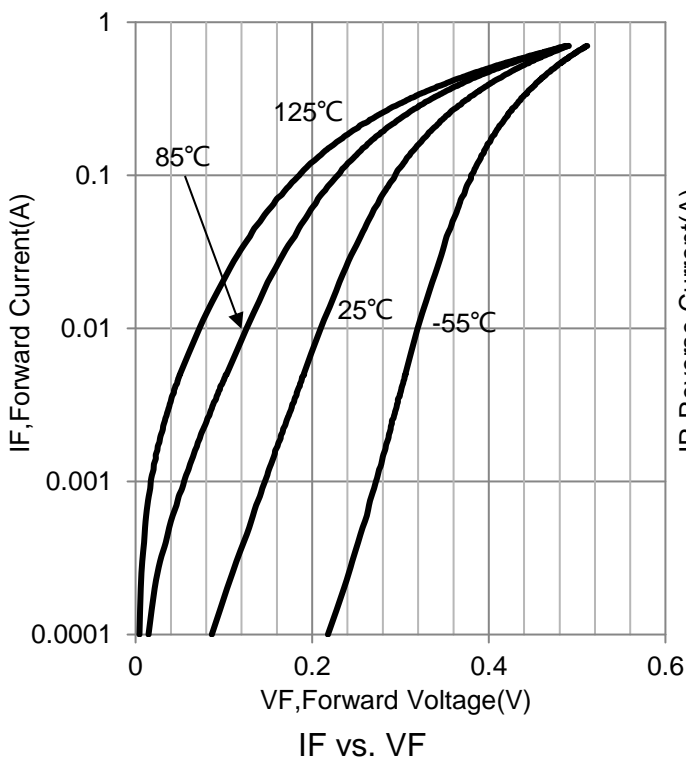
### 4. MAXIMUM RATINGS(Ta = 25°C)

| Parameter                         | Symbol | Limits   | Unit |
|-----------------------------------|--------|----------|------|
| Peak Reverse Voltage              | VRM    | 30       | V    |
| DC Reverse Voltage                | VR     | 30       | V    |
| Average Rectified Forward Current | IO     | 0.5      | A    |
| Peak Forward Surge Current        | IFSM   | 2        | A    |
| Junction Temperture               | Tj     | 150      | °C   |
| Storage Temperture                | Tstg   | -40~+150 | °C   |

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

| Characteristic                | Symbol | Min. | Typ. | Max. | Unit |
|-------------------------------|--------|------|------|------|------|
| Forward voltage<br>(IF=100mA) | VF     | -    | -    | 0.39 | V    |
| (IF=700mA)                    |        | -    | -    | 0.6  |      |
| Reverse Current(VR=10V)       | IR     | -    | -    | 30   | μA   |

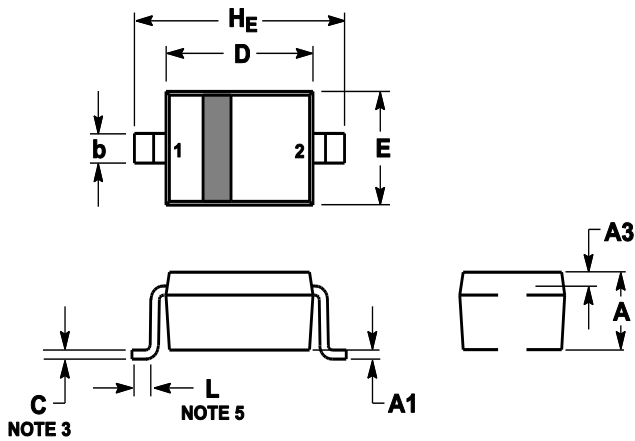
### 6.ELECTRICAL CHARACTERISTICS CURVES



## 7. OUTLINE AND DIMENSIONS

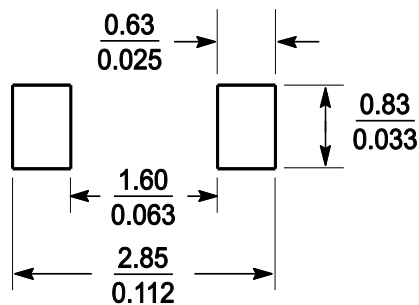
Notes:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS.



| DIM            | MILLIMETERS |      |       | INCHES   |       |       |
|----------------|-------------|------|-------|----------|-------|-------|
|                | MIN         | NOM  | MAX   | MIN      | NOM   | MAX   |
| A              | 0.8         | 0.9  | 1     | 0.031    | 0.035 | 0.04  |
| A1             | 0           | 0.05 | 0.1   | 0        | 0.002 | 0.004 |
| A3             | 0.15REF     |      |       | 0.006REF |       |       |
| b              | 0.25        | 0.32 | 0.4   | 0.01     | 0.012 | 0.016 |
| C              | 0.089       | 0.12 | 0.177 | 0.003    | 0.005 | 0.007 |
| D              | 1.6         | 1.7  | 1.8   | 0.062    | 0.066 | 0.07  |
| E              | 1.15        | 1.25 | 1.35  | 0.045    | 0.049 | 0.053 |
| L              | 0.08        |      |       | 0.003    |       |       |
| H <sub>E</sub> | 2.3         | 2.5  | 2.7   | 0.09     | 0.098 | 0.105 |

## 8. SOLDERING FOOTPRINT



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Schottky Diodes & Rectifiers](#) category:*

*Click to view products by [Leshan](#) manufacturer:*

Other Similar products are found below :

[MA4E2039](#) [MA4E2508M-1112](#) [MBR1545CT](#) [MMBD301M3T5G](#) [RB160M-50TR](#) [D83C](#) [BAS16E6433HTMA1](#) [BAT 54-02LRH E6327](#)  
[NRVBAF360T3G](#) [NSR05F40QNXT5G](#) [NTE555](#) [JANS1N6640](#) [SK310-T](#) [SK34B-TP](#) [SS3003CH-TL-E](#) [GA01SHT18](#)  
[CRS10I30A\(TE85L,QM](#) [MA4E2501L-1290](#) [MBRA140TRPBF](#) [MBRB30H30CT-1G](#) [BAT 15-04R E6152](#) [JANTX1N5712-1](#) [DMJ3940-000](#)  
[SB007-03C-TB-E](#) [SK33B-TP](#) [NRVBB20100CTT4G](#) [NRVBM120LT1G](#) [NTSB30U100CT-1G](#) [VS-6CWQ10FNHM3](#) [CRG04\(T5L,TEMQ\)](#)  
[ACDBA1100LR-HF](#) [ACDBA1200-HF](#) [ACDBA240-HF](#) [ACDBA3100-HF](#) [CDBQC0530L-HF](#) [CDBQC0240LR-HF](#) [ACDBA260LR-HF](#)  
[ACDBA1100-HF](#) [MA4E2502L-1246](#) [10BQ015-M3/5BT](#) [NRVBM120ET1G](#) [CRS08TE85LQM](#) [PMAD1108-LF](#) [B120Q-13-F](#) [1N5819T-G](#)  
[B0530WSQ-7-F](#) [PDS1040Q-13](#) [B160BQ-13-F](#) [SDM05U20CSP-7](#) [B140S1F-7](#)