

SCHOTTKY BARRIER DIODE

●Applications

Low current rectification

●Features

Extremely small surface mounting type. (SOD882)

Low V_F

High reliability.

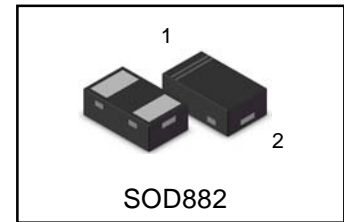
We declare that the material of product compliance with RoHS requirements.

S- Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable.

●Construction

Silicon epitaxial planar

LRB751BS-40T5G
S-LRB751BS-40T5G



DEVICE MARKING AND ORDERING INFORMATION

| Device | Marking | Shipping |
|------------------------------------|---------|-----------------|
| LRB751BS-40T1G S-LRB751BS-40T1G | 5 | 5000/Tape&Reel |
| LRB751BS-40T3G S-LRB751BS-40T3G | 5 | 8000/Tape&Reel |
| LRB751BS-40T5G S-LRB751BS-40T5G | 5 | 10000/Tape&Reel |

●Absolute maximum ratings (Ta=25°C)

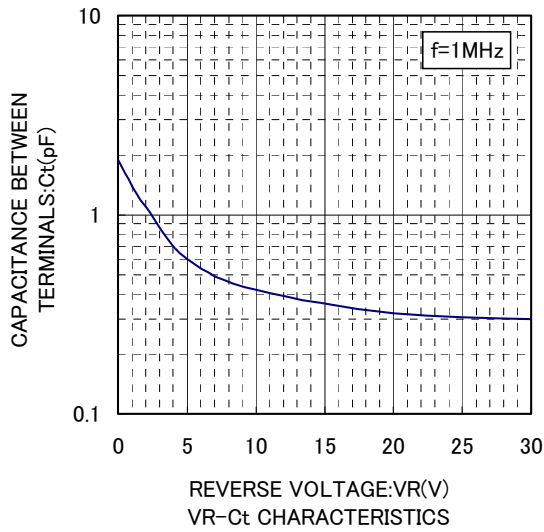
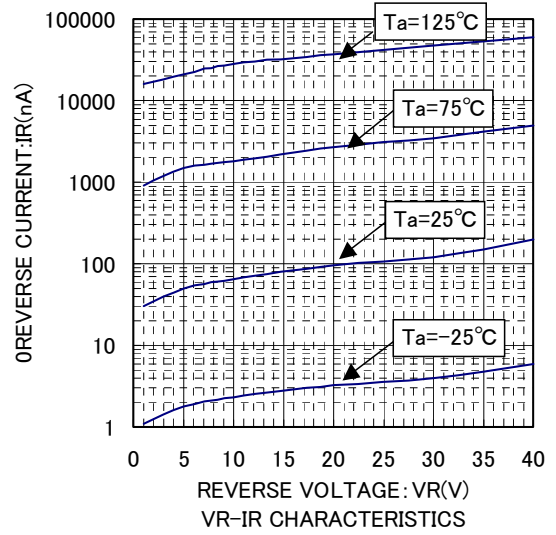
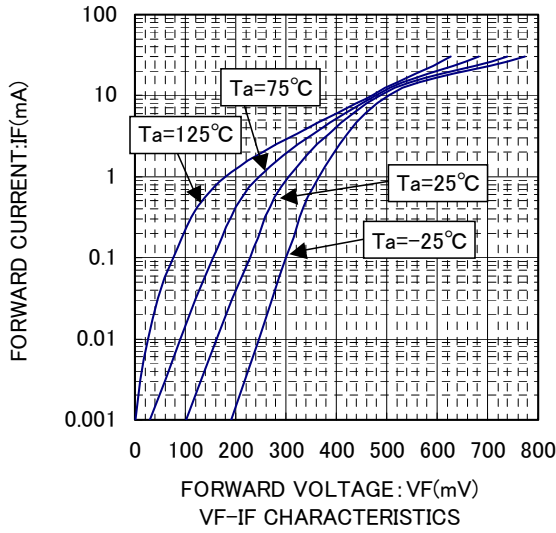
| Parameter | Symbol | Limits | Unit |
|--|-----------|-------------|------|
| Reverse voltage (repetitive peak) | V_{RM} | 40 | V |
| Reverse voltage (DC) | V_R | 30 | V |
| Average rectified forward current | I_o | 30 | mA |
| Forward current surge peak (60Hz·1cyc) | I_{FSM} | 200 | mA |
| Junction temperature | T_J | 125 | °C |
| Storage temperature | T_{stg} | -40 to +125 | °C |

●Electrical characteristic (Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|--------|------|------|------|---------|------------------|
| Forward voltage | V_F | - | | 0.37 | V | $I_F=1mA$ |
| Reverse current | I_R | - | | 0.5 | μA | $V_R=30V$ |
| Capacitance between terminals | C_t | - | 2 | - | pF | $V_R=1V, f=1MHz$ |

LRB751BS-40T5G , S-LRB751BS-40T5G

●Electrical characteristic curves



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DIMENSION OUTLINE:

Unit:mm

