

# SCHOTTKY BARRIER DIODE

## ●Applications

Low current rectification

## ●Features

Extremely small surface mounting type. (SOD882)

Low  $V_F$

High reliability.

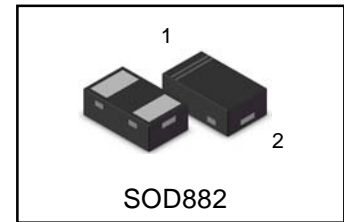
We declare that the material of product compliance with RoHS requirements.

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)

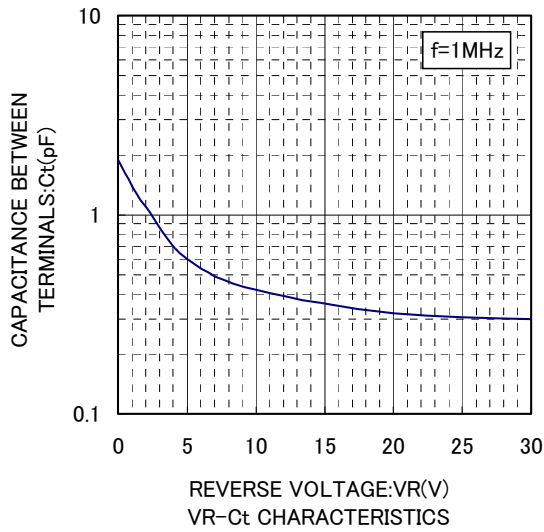
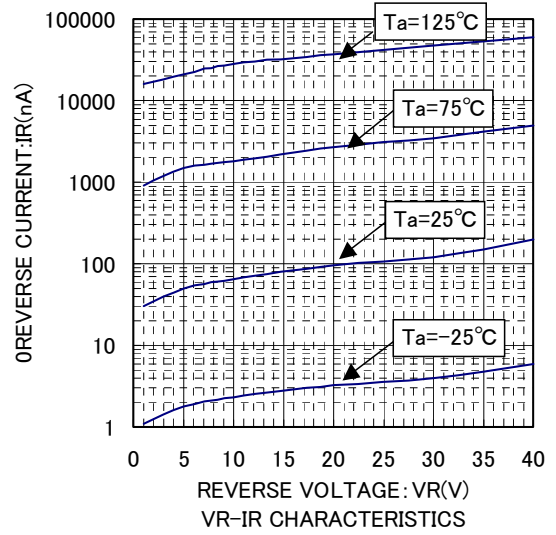
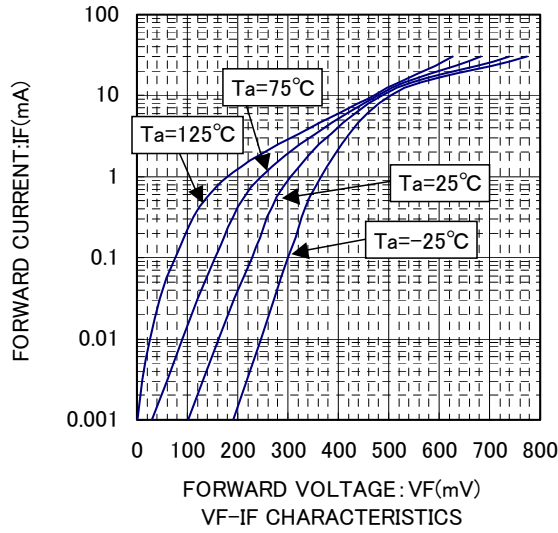
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	$I_o$	30	mA
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	200	mA
Junction temperature	$T_J$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

## ●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	$\mu A$	$V_R=30V$
Capacitance between terminals	$C_t$	-	2	-	pF	$V_R=1V, f=1MHz$

# LRB751BS-40T5G , S-LRB751BS-40T5G

●Electrical characteristic curves



**LRB751BS-40T5G , S-LRB751BS-40T5G****SOD882**

DIMENSION OUTLINE:

Unit:mm

