

SCHOTTKY BARRIER DIODE

●Applications

Low current rectification

●Features

Extremely small surface mounting type. (SOD882)

Low V_F

High reliability.

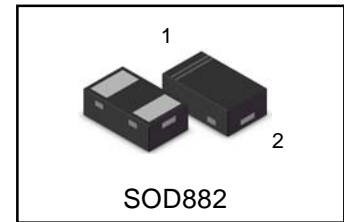
We declare that the material of product compliance with RoHS requirements.

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)

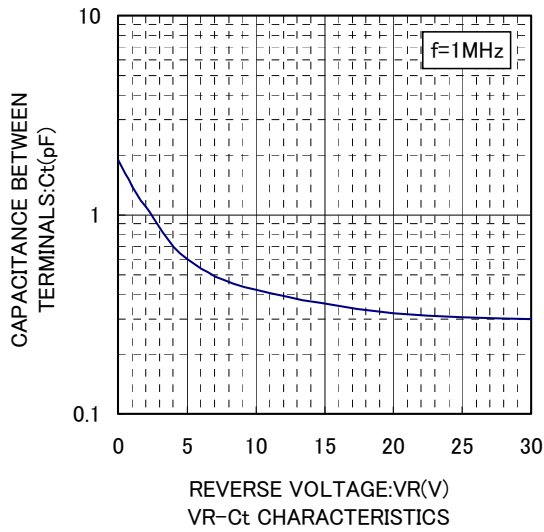
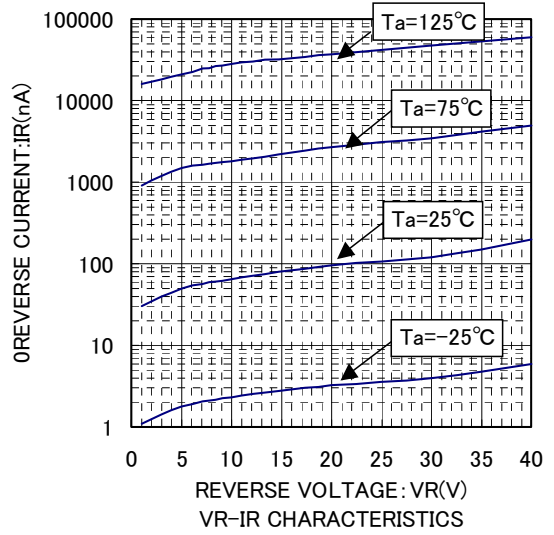
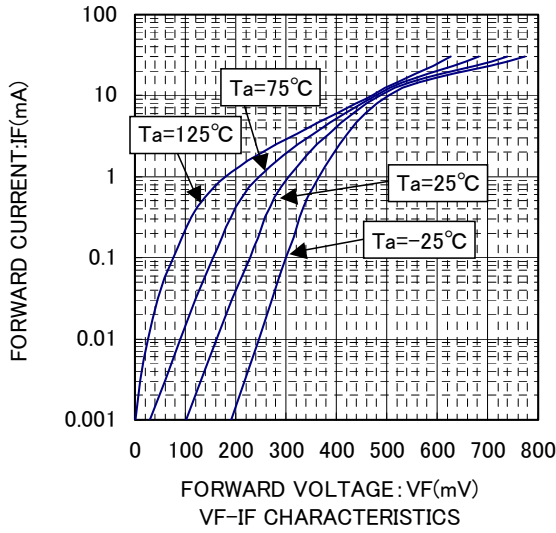
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	30	mA
Forward current surge peak (60Hz·1cyc)	I_{FSM}	200	mA
Junction temperature	T_J	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

●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

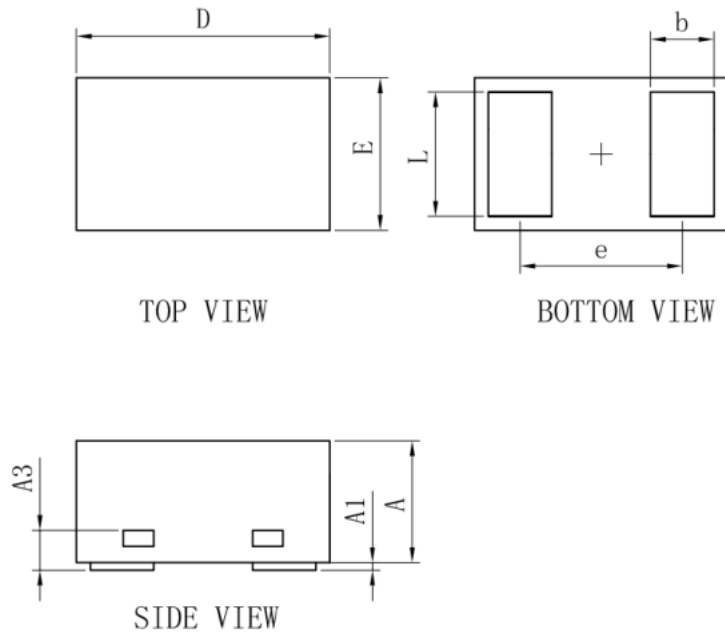
●Electrical characteristic curves



LRB751BS-40T5G , S-LRB751BS-40T5G

OUTLINE AND DIMENSIONS

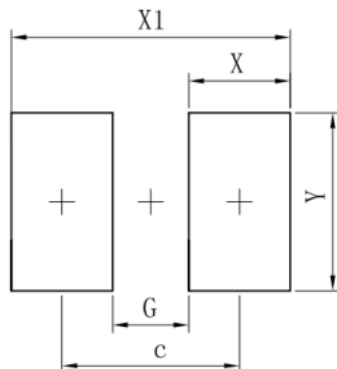
SOD882



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			

SOLDERING FOOTPRINT

SOD882



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