SCHOTTKY BARRIER DIODE

LRB751BS-40T5G
S-LRB751BS-40T5G

●Applications

Low current rectification

●Features

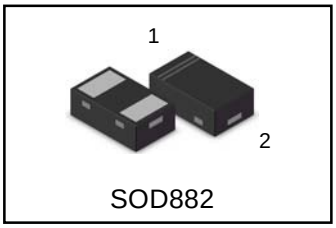
Extremelysmall surface mounting type. (SOD882)

Low V_F

High reliability.

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

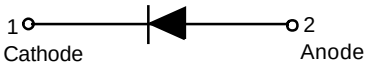
S- Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable.



SOD882

●Construction

Silicon epitaxial planar



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)

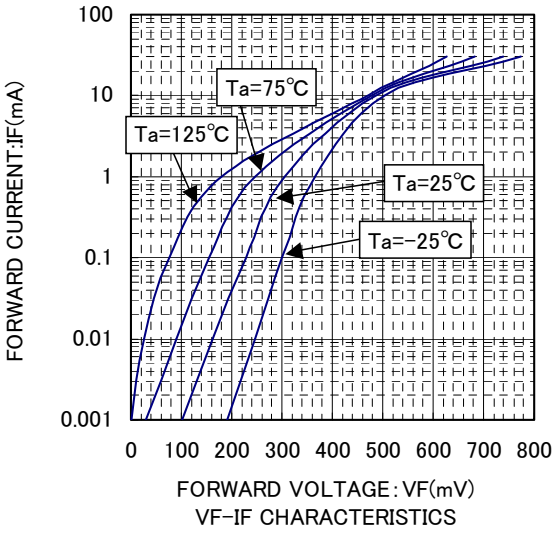
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	Io	30	mA
Forward current surge peak（60Hz・1cyc）	I_{FSM}	200	mA
Junction temperature	Tj	125	℃
Storage temperature	Tstg	-40 to +125	℃

●Electrical characteristic (Ta=25°C)

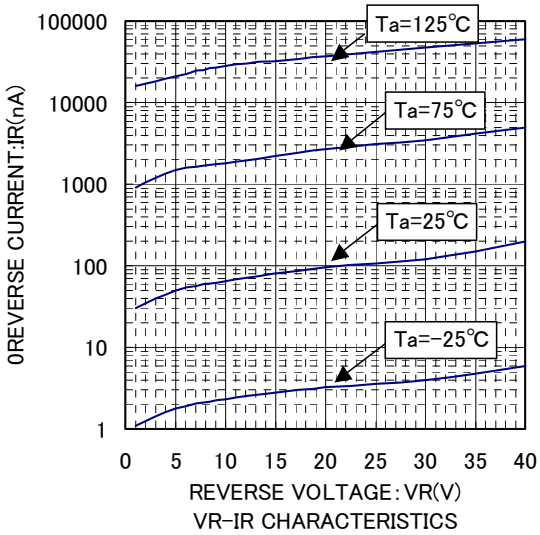
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-		0.37	V	I_F=1mA
Reverse current	I_R	-		0.5	μA	V_R=30V
Capacitance between terminals	Ct	-	2	-	pF	V_R=1V , f=1MHz

LRB751BS-40T5G , S-LRB751BS-40T5G

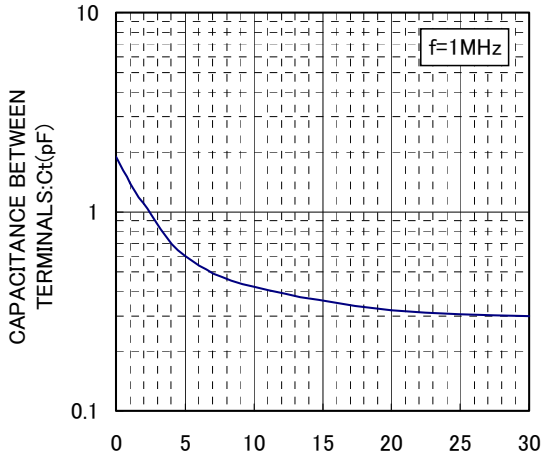
●**Electrical characteristic curves**



VF-IF CHARACTERISTICS



VR-IR CHARACTERISTICS

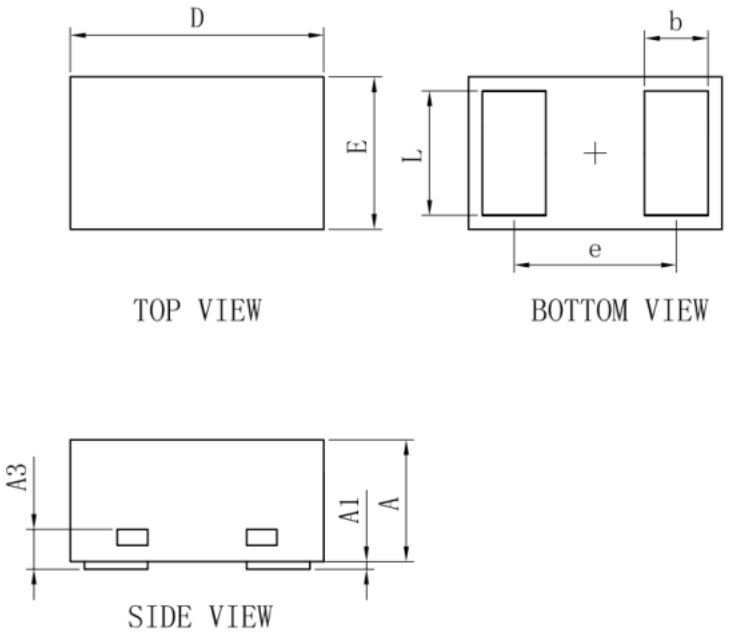


VR-Ct CHARACTERISTICS

LRB751BS-40T5G , S-LRB751BS-40T5G

OUTLINE AND DIMENSIONS

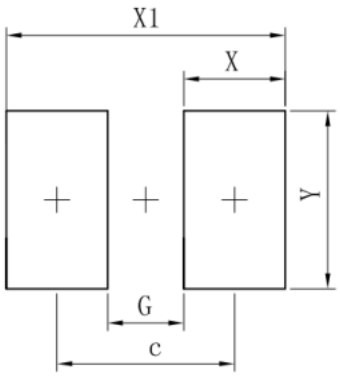
SOD882



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