

SCHOTTKY BARRIER DIODE

●Applications

Low current rectification

●Features

Extremely small surface mounting type. (SOD882)

Low V_F

High reliability.

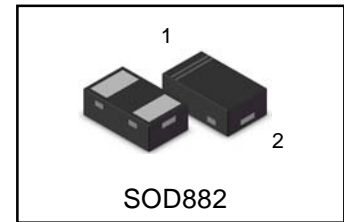
We declare that the material of product compliance with RoHS requirements.

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)

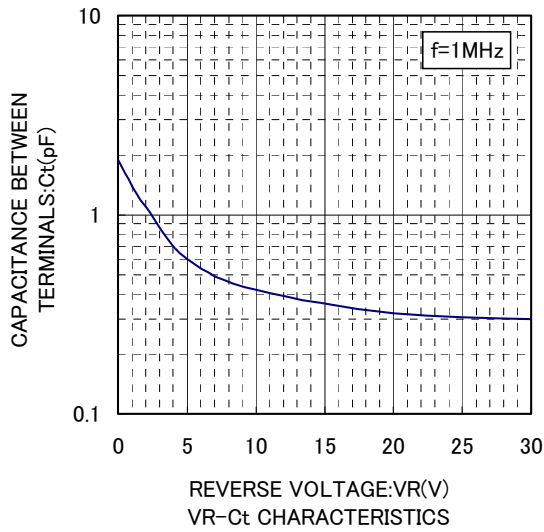
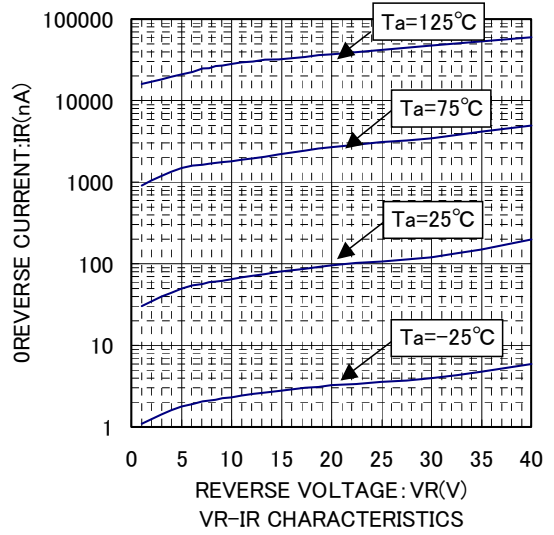
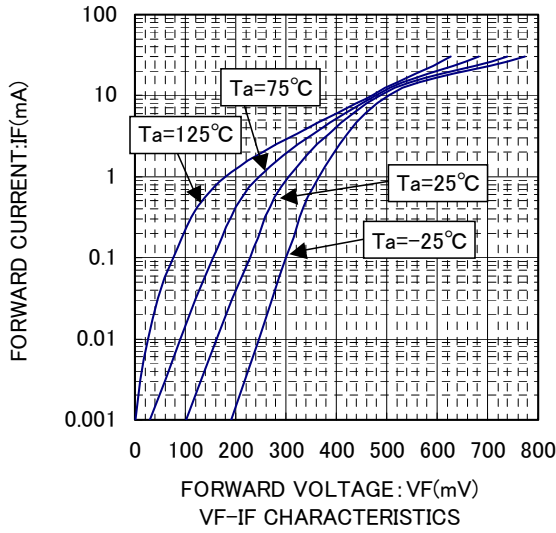
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	30	mA
Forward current surge peak (60Hz·1cyc)	I_{FSM}	200	mA
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

●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	$V_R=1V, f=1MHz$

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●Electrical characteristic curves



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DIMENSION OUTLINE:

Unit:mm

