

# SCHOTTKY BARRIER DIODE

LRB521BS-30T5G  
S-LRB521BS-30T5G

## ●Applications

Low current rectification

## ●Features

Extremelysmall surface mounting type. (SOD882)

Low  $V_F$

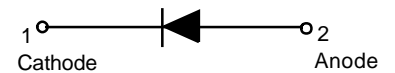
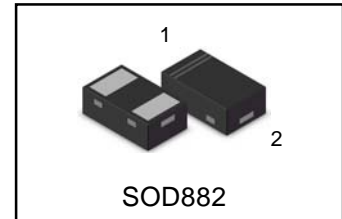
High reliability.

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.

## ●Construction

Silicon epitaxial planar



## DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LRB521BS-30T1G S-LRB521BS-30T1G	F	5000/Tape&Reel
LRB521BS-30T3G S-LRB521BS-30T3G	F	8000/Tape&Reel
LRB521BS-30T5G S-LRB521BS-30T5G	F	10000/Tape&Reel

## ●Absolute maximum ratings (Ta=25°C)

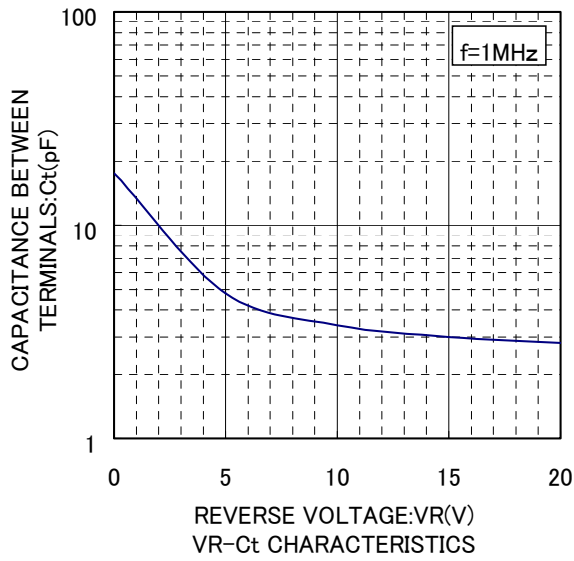
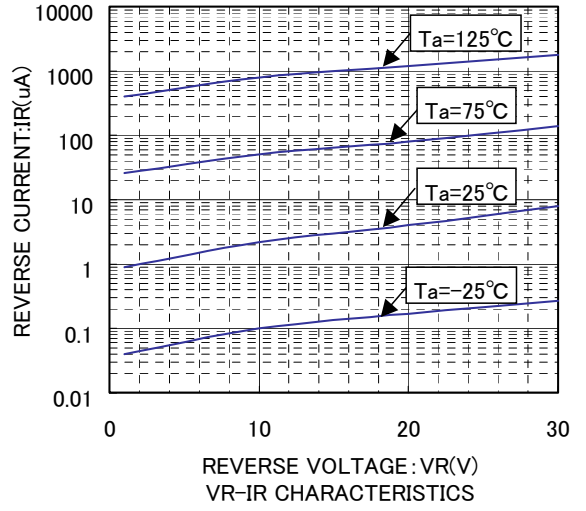
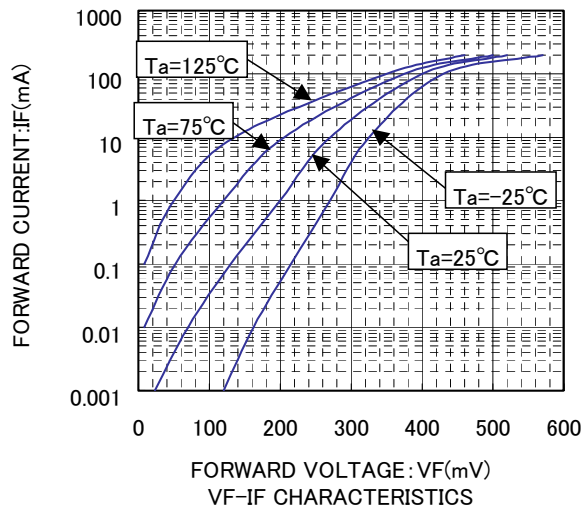
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectifier forward current	$I_o$	100	mA
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	500	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

## ●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.5	V	$I_F=200mA$
Reverse current	$I_R$	-	-	30	$\mu A$	$V_R=10V$

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●Electrical characteristic curves



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DIMENSION OUTLINE:

Unit:mm

