

# SCHOTTKY BARRIER DIODE

## ●Applications

Low current rectification

## ●Features

Extremely small surface mounting type. (SOD882)

Low  $I_R$ .

High reliability.

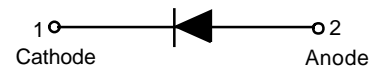
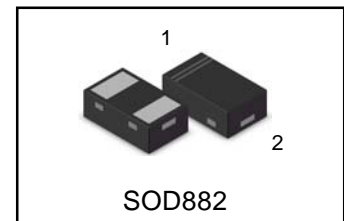
We declare that the material of product compliance with RoHS requirements.

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

## ●Construction

Silicon epitaxial planar

LRB520BS-30T5G  
S-LRB520BS-30T5G



## Device Marking And Ordering Information

Device	Marking	Shipping
LRB520BS-30T1G S-LRB520BS-30T1G	L	5000/Tape&Reel
LRB520BS-30T3G S-LRB520BS-30T3G	L	8000/Tape&Reel
LRB520BS-30T5G S-LRB520BS-30T5G	L	10000/Tape&Reel

## Maximum Ratings ( $T_A = 25^\circ\text{C}$ )

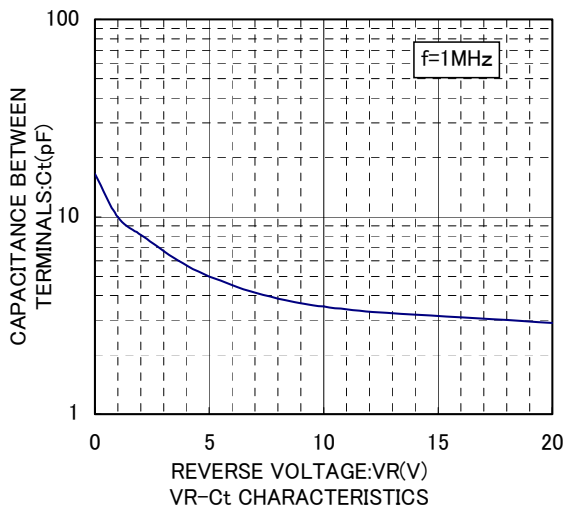
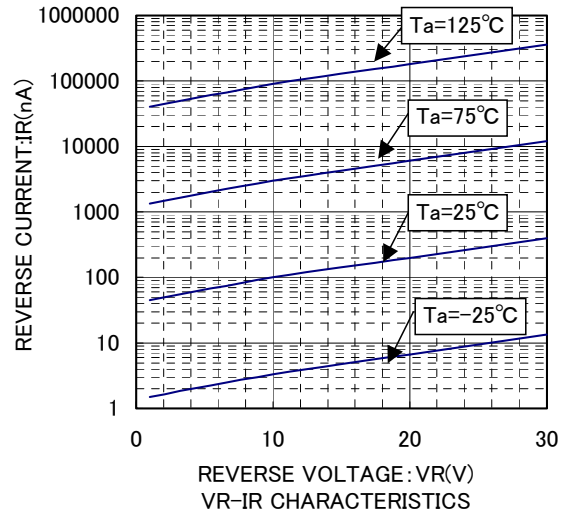
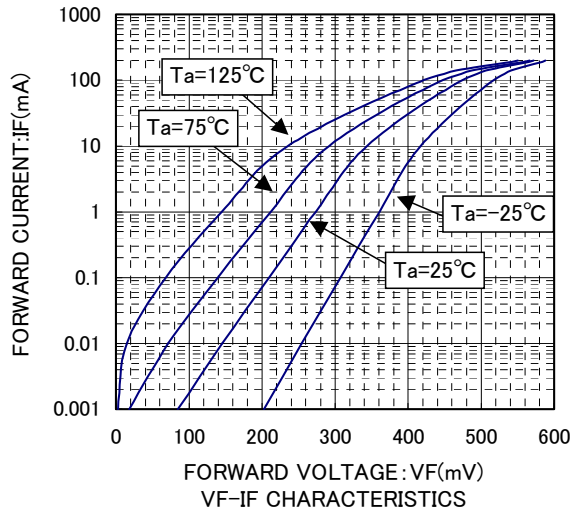
Parameter	Symbol	Limits	Unit
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_o$	200	mA
Peak forward surge current	$I_{FSM}$	500	mA
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40~+125	$^\circ\text{C}$

## Electrical Characteristics ( $T_A = 25^\circ\text{C}$ )

Parameter	Symbol	Min.	Typ	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.6	V	$I_F = 200\text{mA}$
Reverse current	$I_R$	-	-	1.0	$\mu\text{A}$	$V_R = 10\text{V}$

# LRB520BS-30T5G , S-LRB520BS-30T5G

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



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DIMENSION OUTLINE:

Unit:mm

