

SCHOTTKY BARRIER DIODE

●**Applications**

Low current rectification

●**Features**

Extremely small surface mounting type. (SOD882)

Low V_F

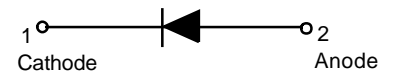
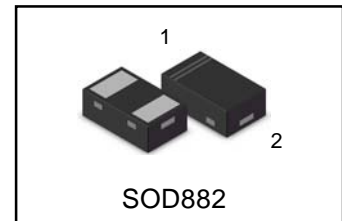
High reliability.

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

●**Construction**

Silicon epitaxial planar

LRB521BS-40T5G



DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LRB521BS-40T1G	T	5000/Tape&Reel
LRB521BS-40T3G	T	8000/Tape&Reel
LRB521BS-40T5G	T	10000/Tape&Reel

●**Absolute maximum ratings** ($T_a=25^\circ\text{C}$)

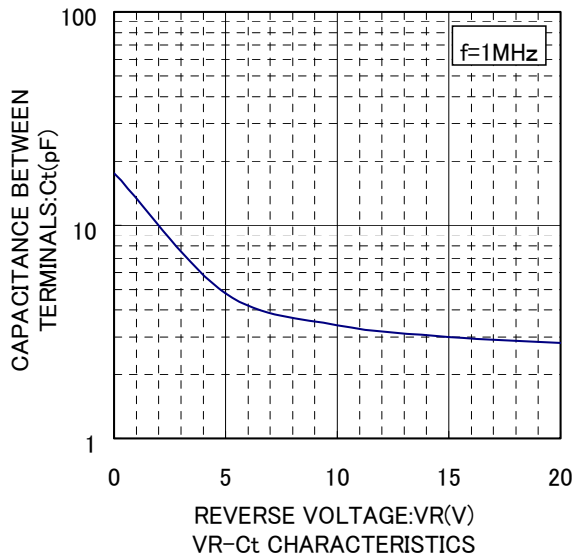
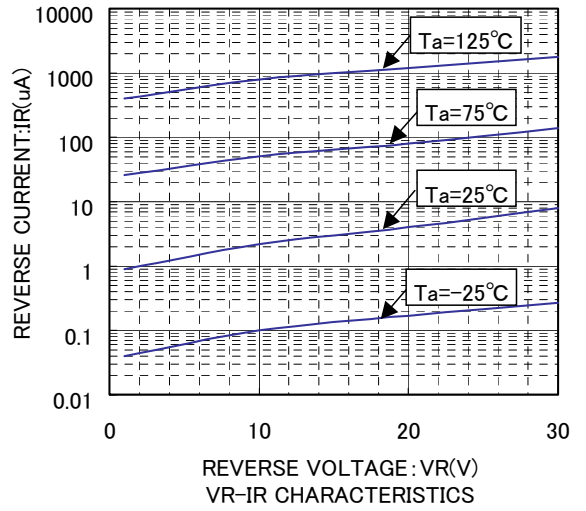
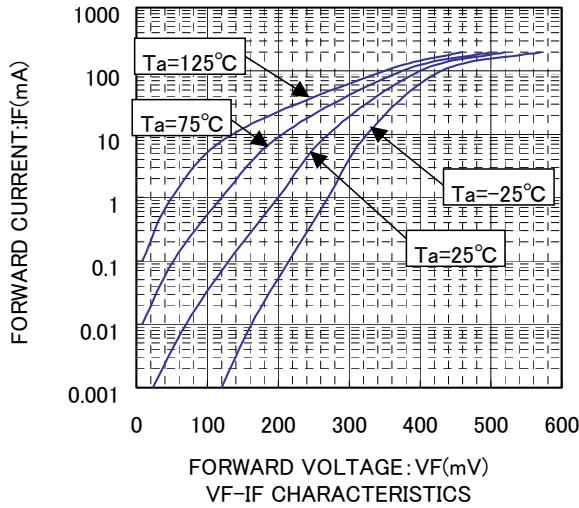
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	I_o	200	mA
Forward current surge peak (60Hz·1cyc)	I_{FSM}	500	mA
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +125	$^\circ\text{C}$

●**Electrical characteristic** ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.35	V	$I_F=10\text{mA}$
Forward voltage	V_F	-	-	0.4	V	$I_F=20\text{mA}$
Reverse current	I_R	-	-	10	μA	$V_R=10\text{V}$

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●Electrical characteristic curves



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DIMENSION OUTLINE:

Unit:mm

