

SCHOTTKY BARRIER DIODE

●Applications

Low current rectification

●Features

Extremely small surface mounting type. (SOD882)

Low I_R .

High reliability.

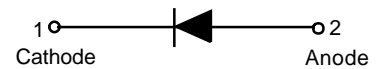
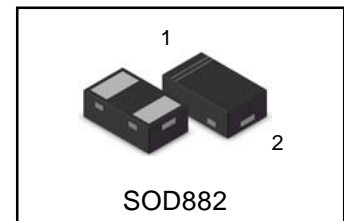
We declare that the material of product compliance with RoHS requirements.

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

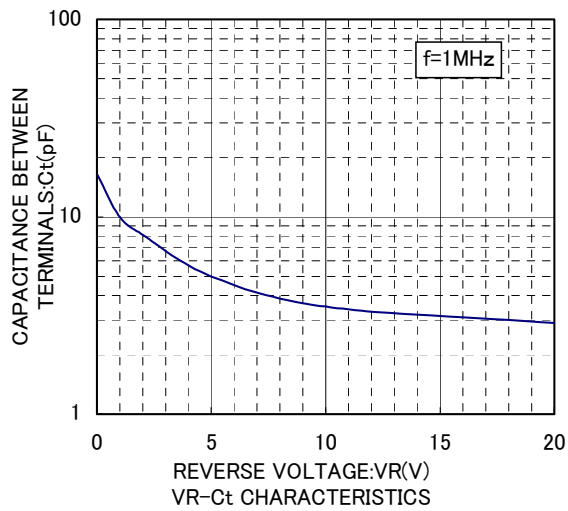
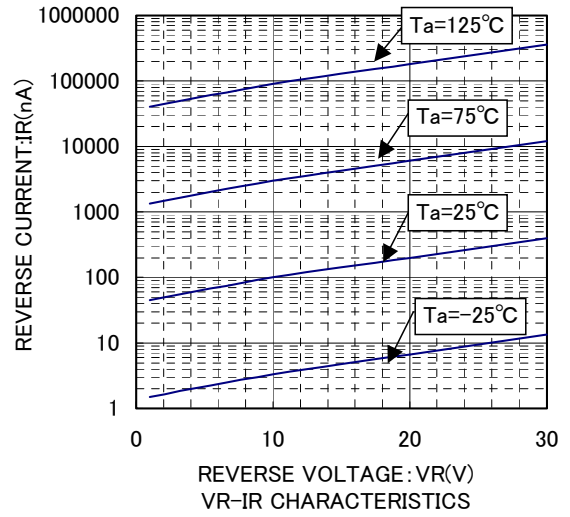
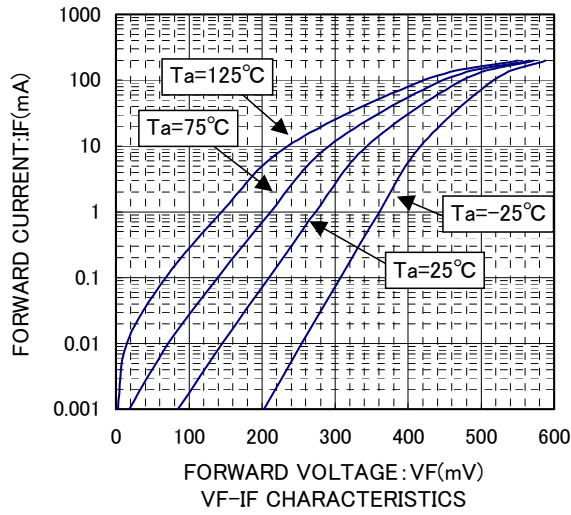
Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	200	mA
Peak forward surge current	I_{FSM}	500	mA
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40~+125	$^\circ\text{C}$

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	μA	$V_R = 10\text{V}$

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Electrical characteristic curves (Ta=25°C)



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DIMENSION OUTLINE:

Unit:mm

