

SCHOTTKY BARRIER DIODE

●Applications

Low current rectification

●Features

Extremelysmall surface mounting type. (SOD882)

Low V_F

High reliability.

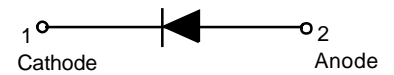
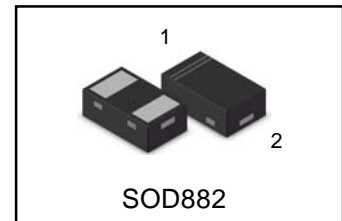
We declare that the material of product compliance with RoHS requirements.

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

●Construction

Silicon epitaxial planar

RSD5ST02E



DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
RSD5ST02E	E	8000/Tape&Reel

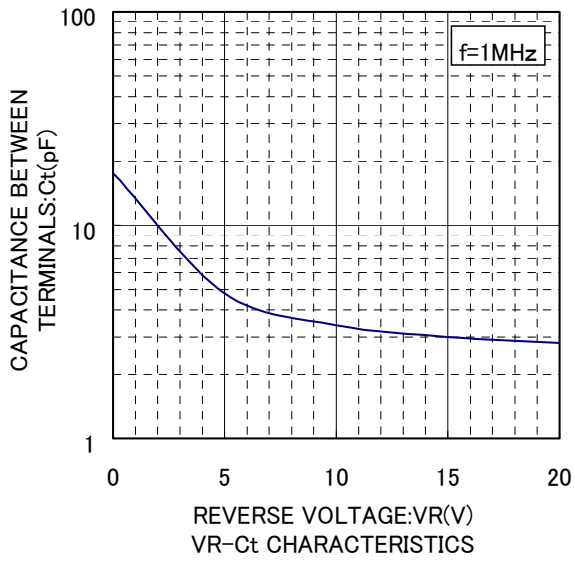
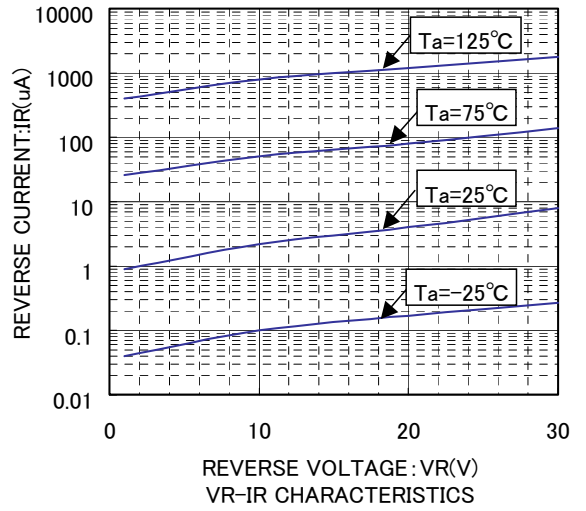
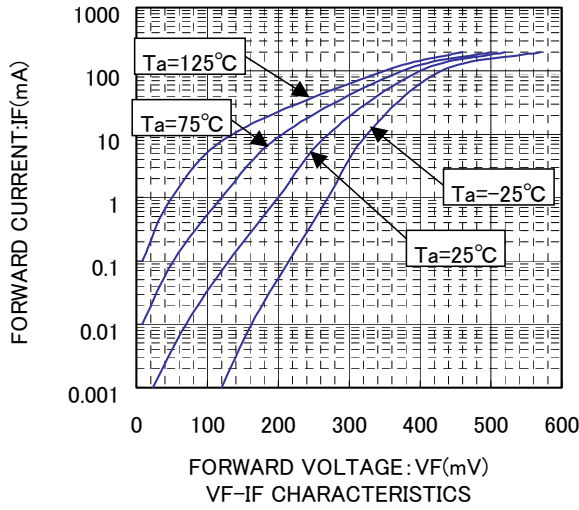
●Absolute maximum ratings (Ta=25°C)

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	-	-	10	μA	$V_R=10V$

●Electrical characteristic curves



SOD882

DIMENSION OUTLINE:

Unit:mm

