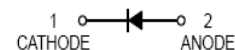




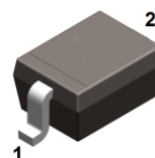
FEATURES

- General rectification
- Low V_F ; Low I_R
- High reliability



APPLICATIONS

- General rectification



SOD-323

ORDERING INFORMATION

Type No.	Marking	Package Code
RB550V-30	S· or SS	SOD-323

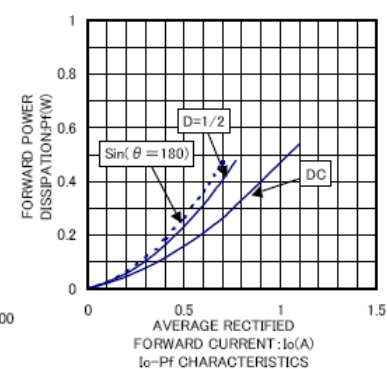
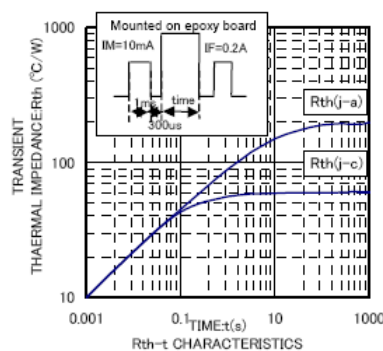
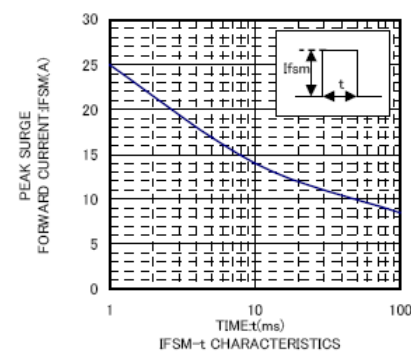
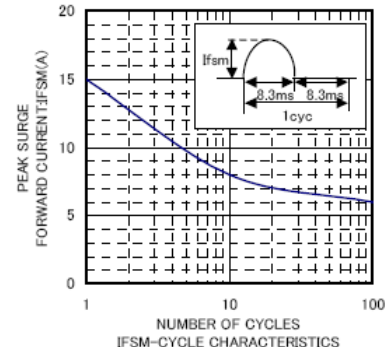
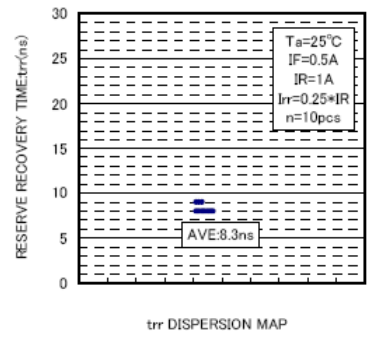
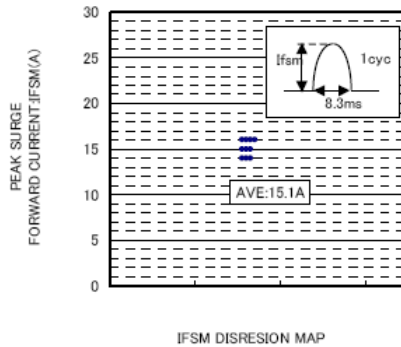
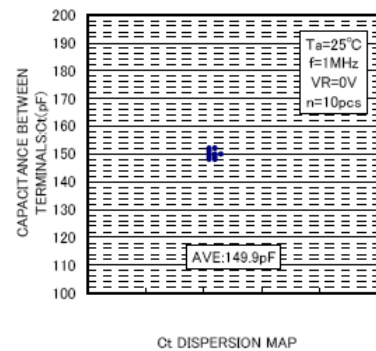
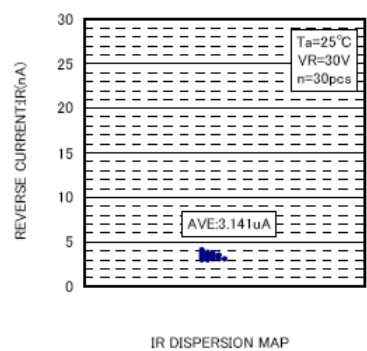
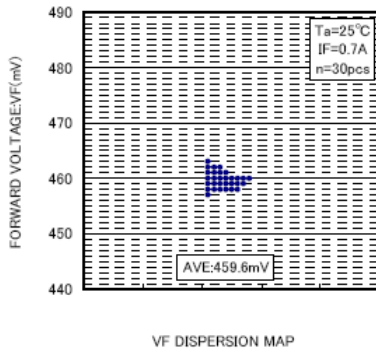
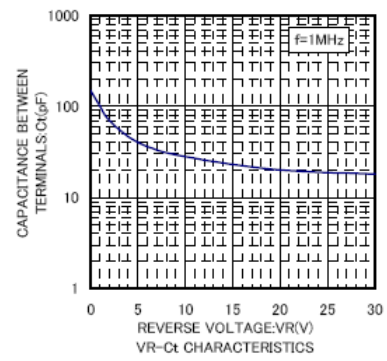
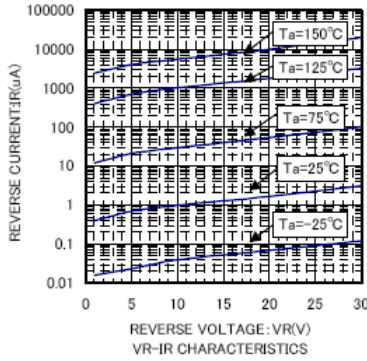
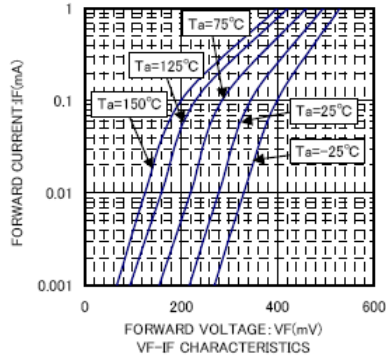
MAXIMUM RATING @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	30	V
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	1	A
Peak forward surge current	I_{FSM}	3	A
Junction temperature	T_J	-40 to +150	$^\circ\text{C}$
Storage temperature	T_{STG}	-40 to +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.52 0.55	V	$I_F=700\text{mA}$ $I_F=1\text{A}$
Reverse current	I_R		1	20	μA	$V_R=10\text{V}$

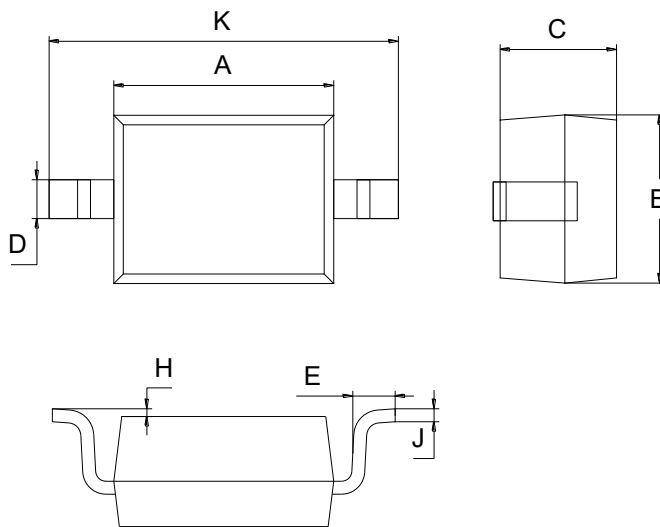
TYPICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified



PACKAGE OUTLINE

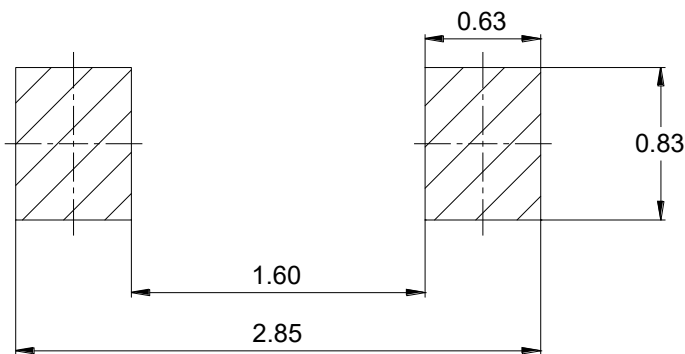
Plastic surface mounted package

SOD-323



SOD-323		
Dim	Min	Max
A	1.60	1.80
B	1.20	1.40
C	0.80	0.90
D	0.25	0.35
E	0.22	0.42
H	0.02	0.1
J	0.05	0.15
K	2.55	2.75
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit: mm

PACKAGE INFORMATION

Device	Package	Shipping
RB550V-30	SOD-323	3000 pcs / Tape & Reel