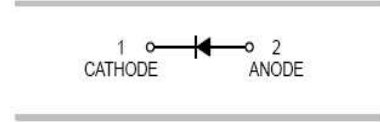




FEATURES

- Small Surface Mounting Type
- Low VF
- High Reliability



APPLICATIONS

- High-Frequency Rectification Switching Regulators



SOD-323

ORDERING INFORMATION

Type No.	Marking	Package Code
RB551V-40□	D4	SOD-323

□: none is for Lead Free package;
 “G” is for Halogen Free package.

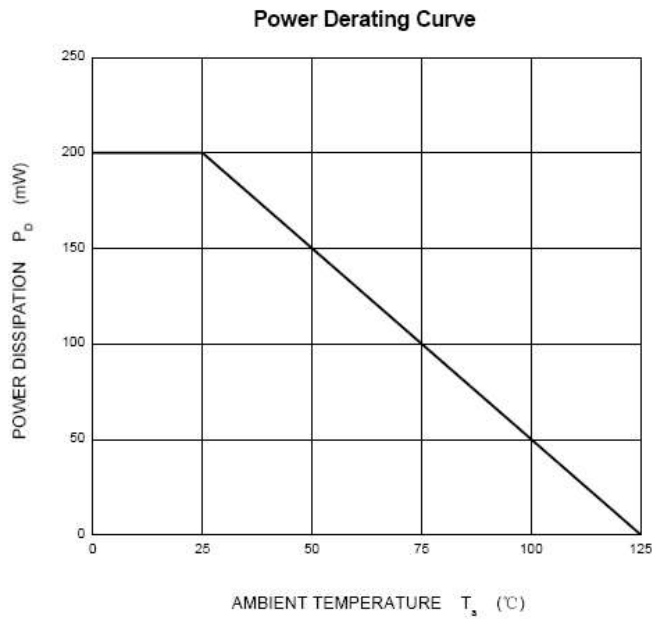
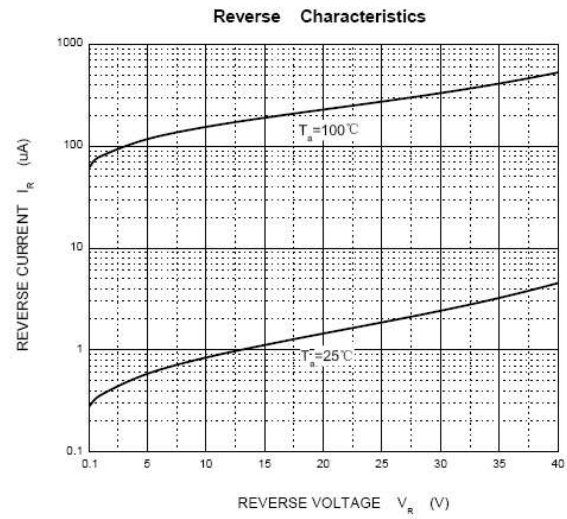
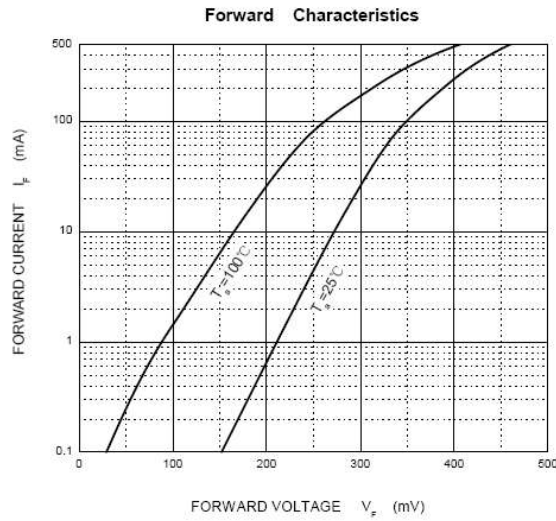
MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	40	V
Mean rectifying current	I_o	0.5	A
Peak forward surge current	I_{FSM}	2	A
Power Dissipation	P_D	200	mW
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	500	°C/W
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.47	V	$I_F=500mA$
Reverse voltage	$V_{(BR)}$	40			V	$I_R=0.1mA$
Reverse current	I_R			100	μA	$V_R=40v$

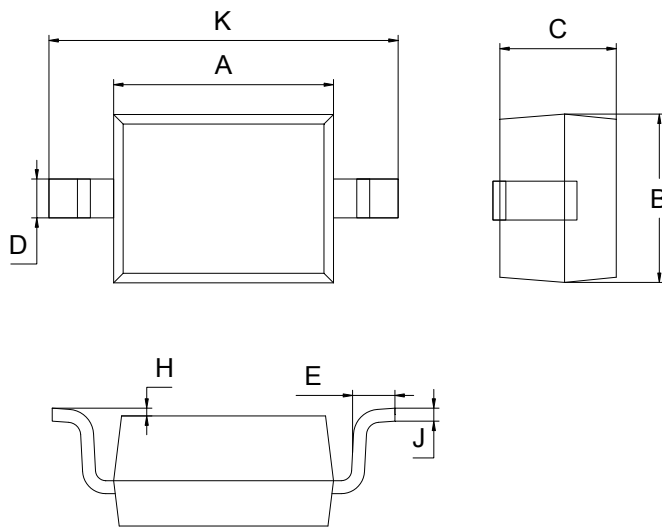
TYPICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified



PACKAGE OUTLINE

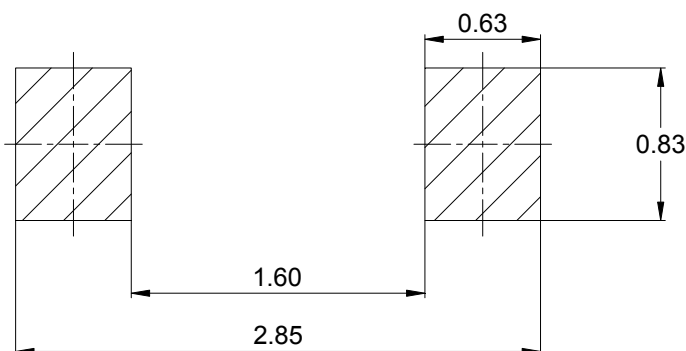
Plastic surface mounted package

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	0.10
J	0.05	0.15
K	2.55	2.75
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
RB551V-40	SOD-323	3000/Tape&Reel