

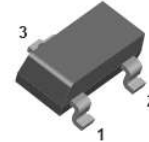
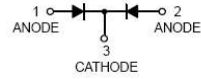


FEATURES

- Small mold type.
- Low I_R .
- High reliability.

APPLICATIONS

- Schottky barrier diode.
- General rectification.



SOT-23

ORDERING INFORMATION

Type No.	Marking	Package Code
RB495D□	D3Q	SOT-23

□: none is for Lead Free package;

“G” is for Halogen Free package.

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

Characteristic	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	40	V
DC Reverse Voltage	V_R	25	V
Average rectified forward current(Note)	I_O	0.4	A
Peak forward Surge current	I_{FSM}	2	A
Operating Junction Temperature Range	T_j	100	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-40 to +125	$^\circ\text{C}$

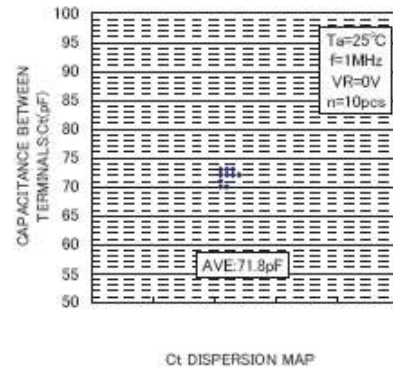
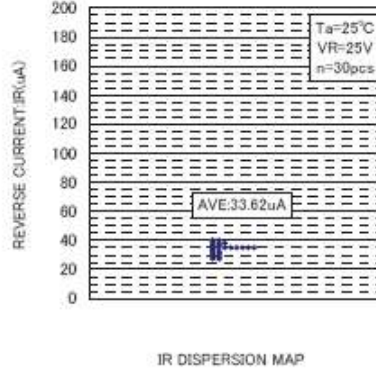
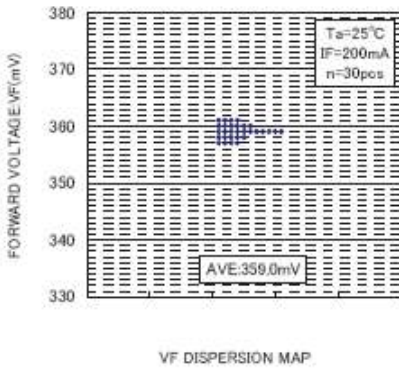
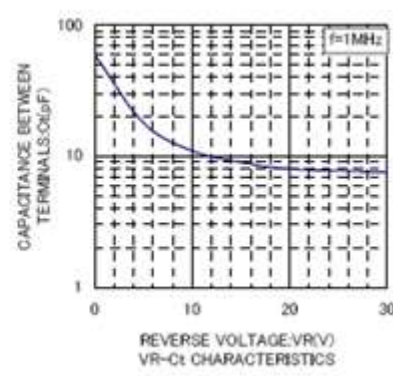
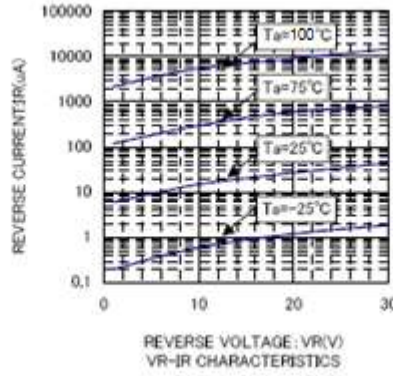
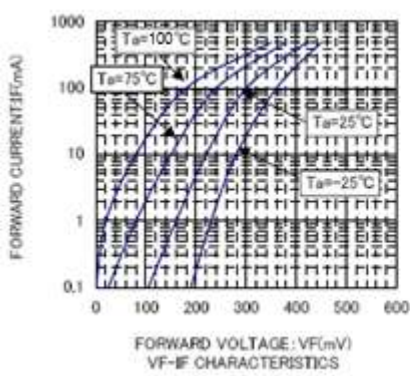
Note: Rating of per diode: $I_O/2$.

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

Characteristic	Symbol	Min	MAX	UNIT	Test Condition
Forward Voltage	V_F		0.35 0.57	V	$I_F=10\text{mA}$ $I_F=200\text{mA}$
Reverse Leakage Current	I_R		70	μA	$V_R=25\text{V}$



TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

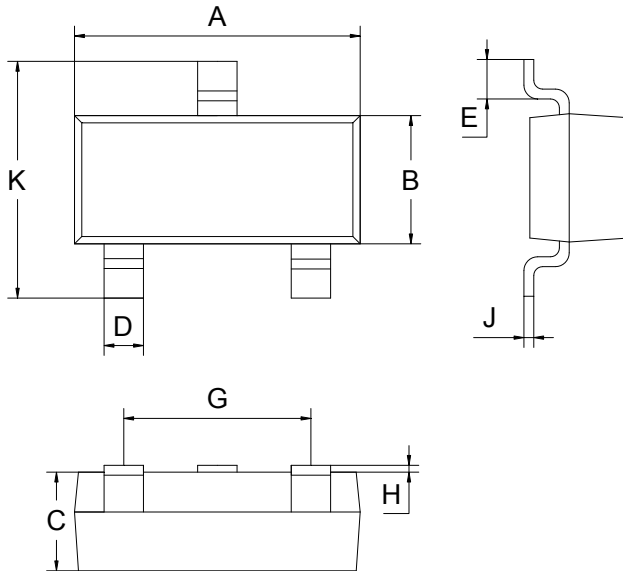




PACKAGE OUTLINE

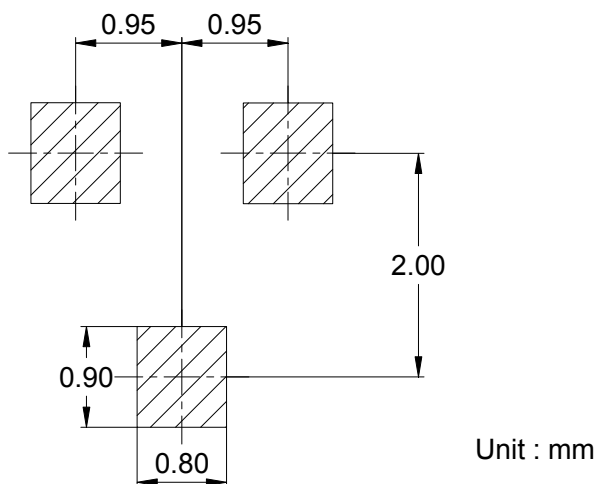
Plastic surface mounted package

SOT-23



SOT-23		
Dim	Min	Max
A	2.70	3.10
B	1.10	1.50
C	0.90	1.10
D	0.30	0.50
E	0.35	0.48
G	1.80	2.00
H	0.02	0.10
J	0.05	0.15
K	2.20	2.60
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
RB495D	SOT-23	3000/Tape&Reel