

Schottky barrier diode

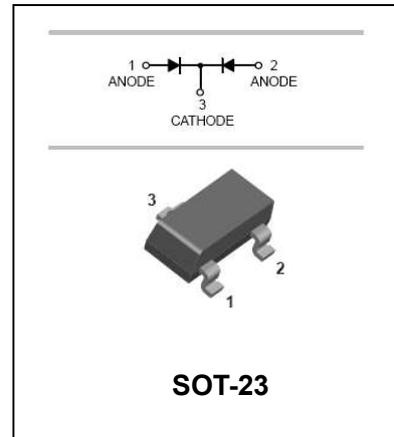
RB495D

FEATURES

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

APPLICATIONS

- Schottky barrier diode.
- General rectification.



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: $I_O/2$.

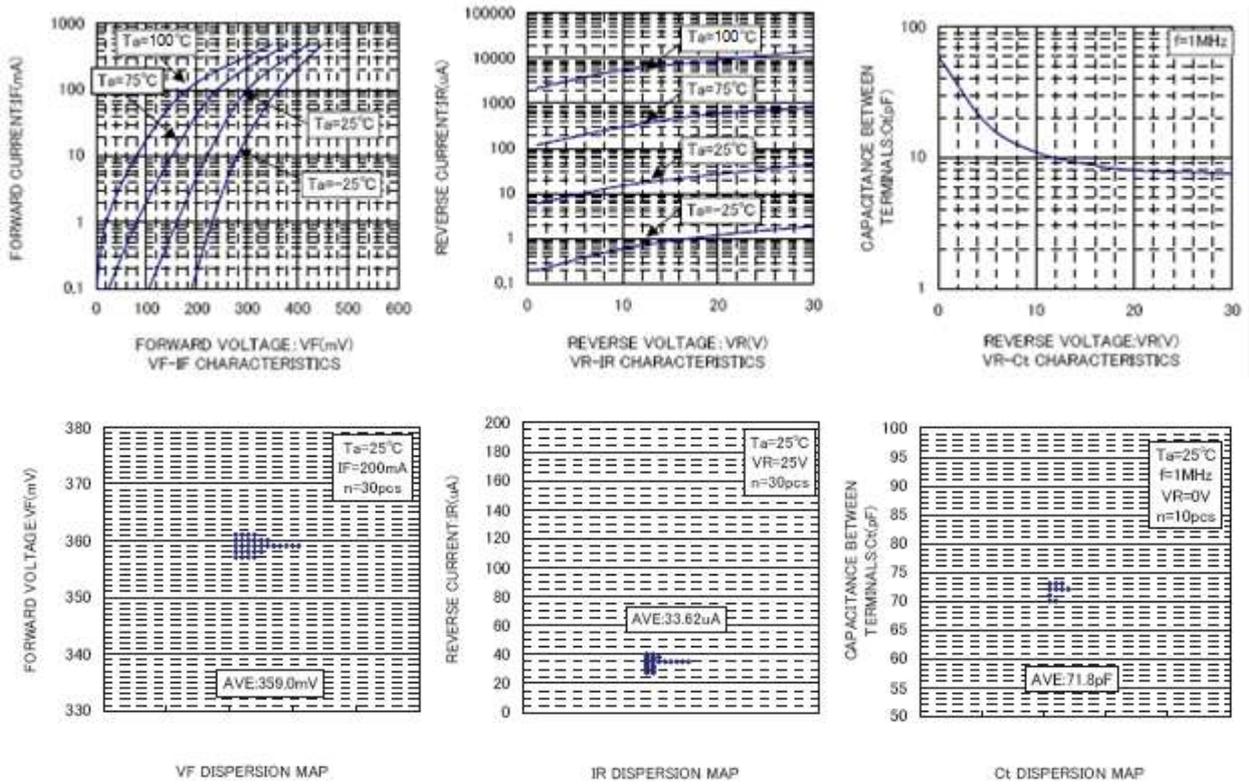
ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

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	$V_R=25\text{V}$

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TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



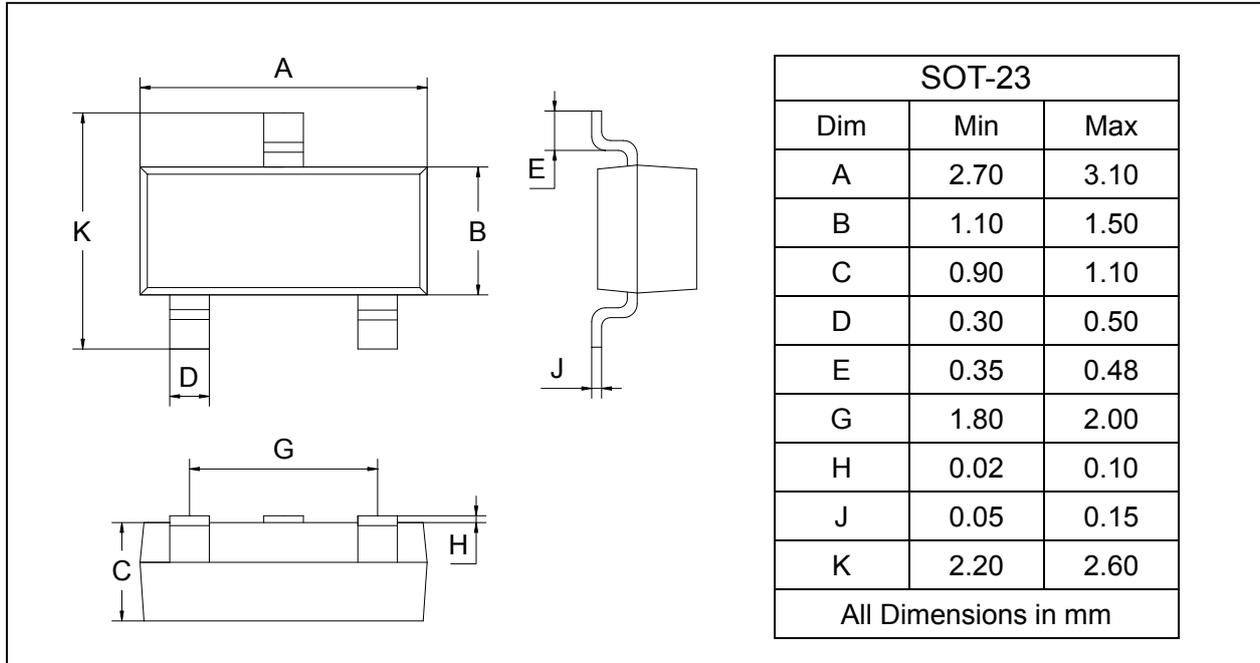
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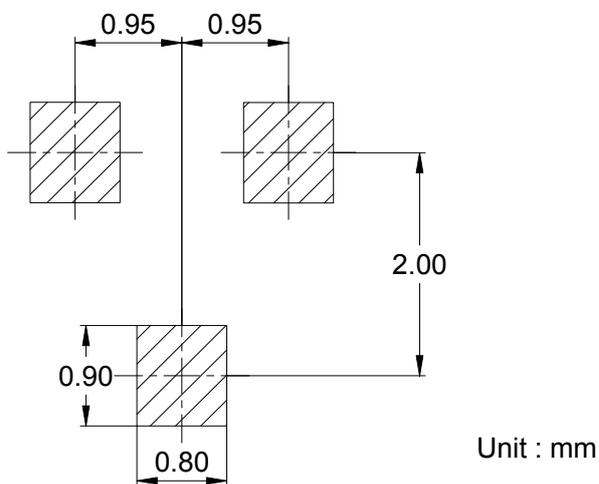
PACKAGE OUTLINE

Plastic surface mounted package

SOT-23



SOLDERING FOOTPRINT



PACKAGE INFORMATION

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