

Schottky barrier diode

RB400D

FEATURES

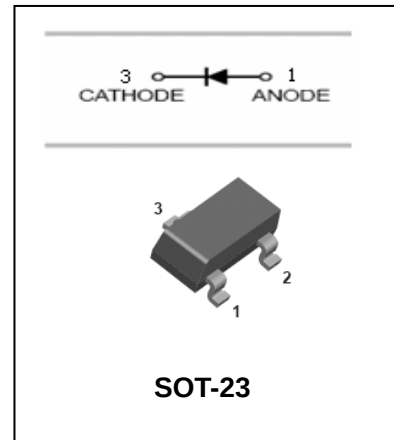
- Low current rectification.



Lead-free

APPLICATIONS

- Small mold type.(SMD3)
- Low IR
- High reliability.



ORDERING INFORMATION

Type No.	Marking	Package Code
RB400D	D3A	SOT-23

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
DC Reverse Voltage	V_R	40	V
Forward Continuous Current	I_O	500	mA
Non-repetitive forward Surge @ $t_p < 10ms$	I_{FSM}	3	A
Power Dissipation	P_d	350	mW
Operating Junction Temperature Range	T_j	125	°C
Storage Temperature Range	T_{STG}	-40 to +125	°C

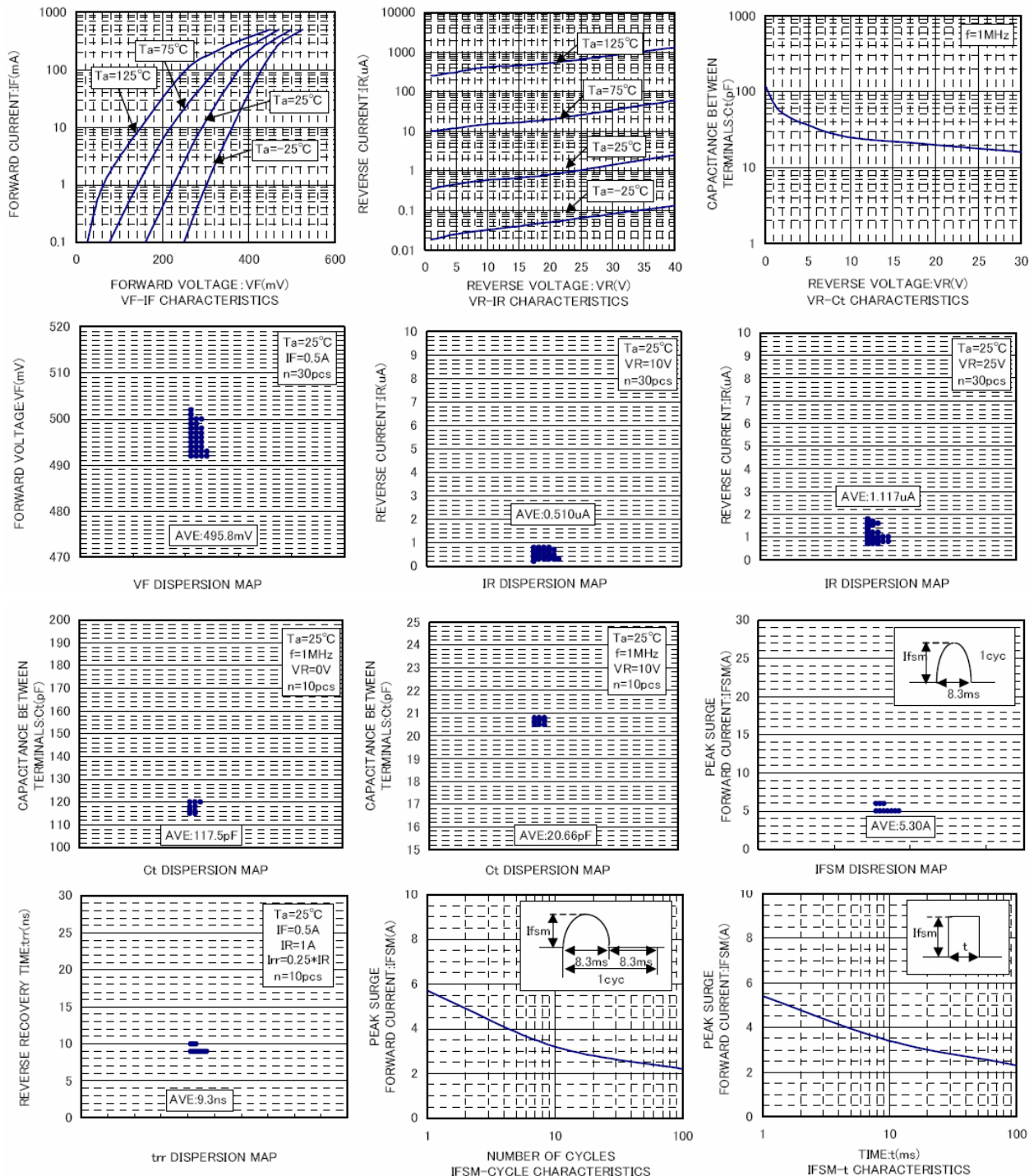
ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Min	Typ	MAX	UNIT	Test Condition
Forward Voltage	V_F	-	-	550	mV	$I_F = 500mA$
Reverse Leakage Current	I_R	-	-	30 50	μA uA	$V_R = 10V$ $V_R = 30V$
Capacitance between terminals	C_{t1} C_{t2}	-	125 20	-	pF	$V_R = 0V, f = 1.0MHz$ $V_R = 10V, f = 1.0MHz$

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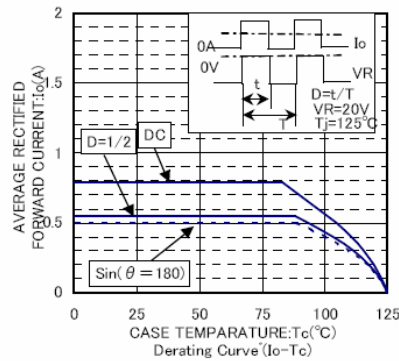
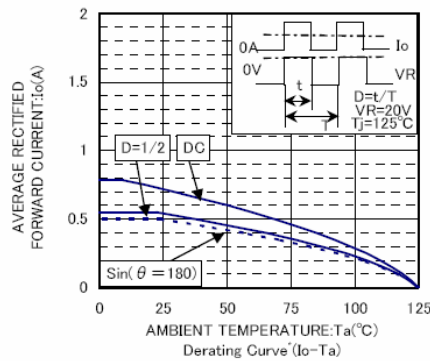
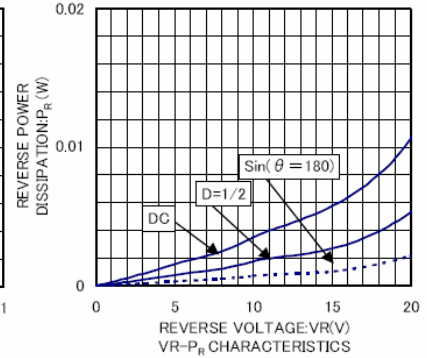
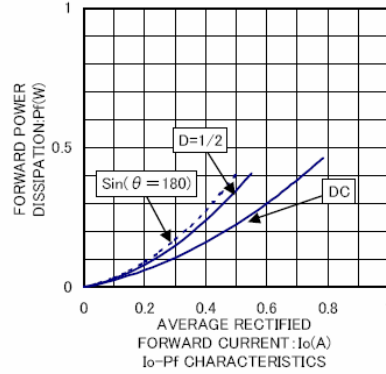
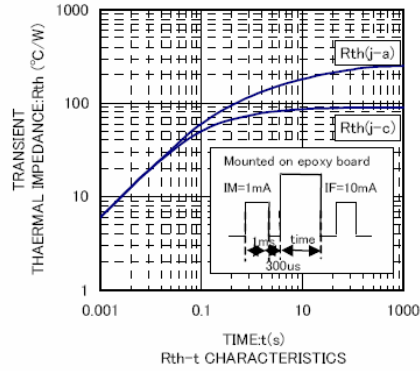
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TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



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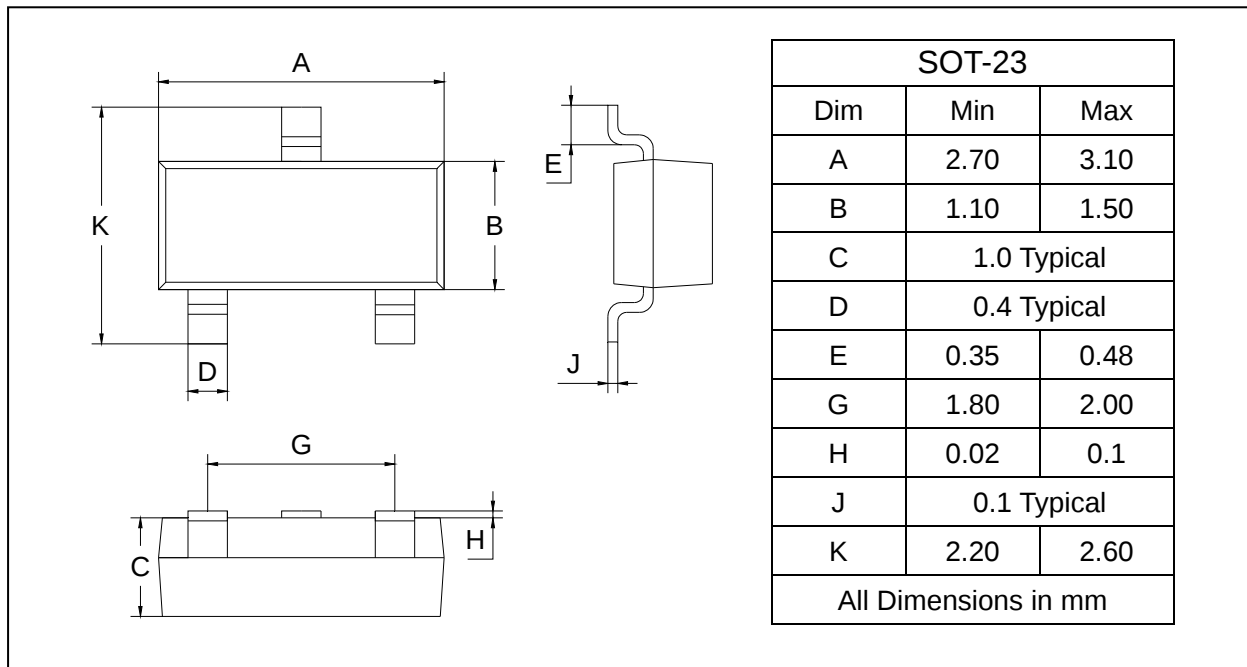
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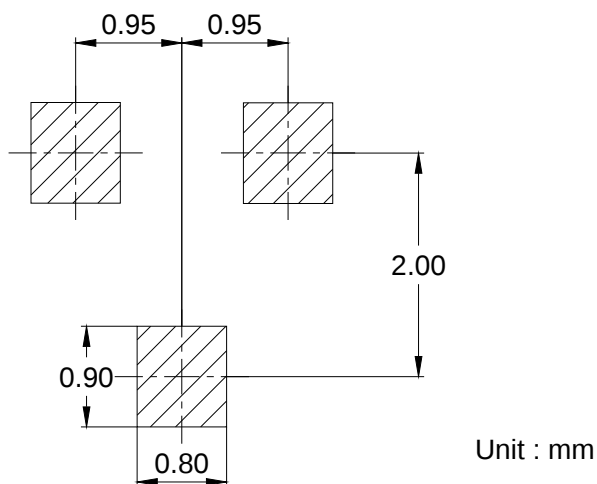
PACKAGE OUTLINE

Plastic surface mounted package

SOT-23



SOLDERING FOOTPRINT



PACKAGE INFORMATION

Device	Package	Shipping
RB400D	SOT-23	3000/Tape&Reel