

Schottky Barrier Diode

RB420D

FEATURES

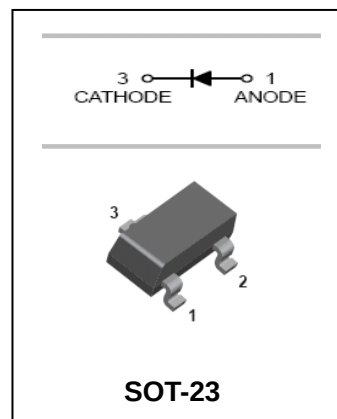
- Small mold type.
- Low I_R .
- High reliability.



Lead-free

APPLICATIONS

- Low power rectification.



ORDERING INFORMATION

Type No.	Marking	Package Code
RB420D	D3B	SOT-23

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Peak Repetitive Reverse Voltage DC Reverse Voltage	V_{RRM} V_R	40	V
Average Rectified Forward Current	I_O	100	mA
Forward Current Surge Peak	I_{FSM}	1	A
Operating Junction Temperature Range	T_j	125	°C
Storage Temperature Range	T_{STG}	-40 to +150	°C

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

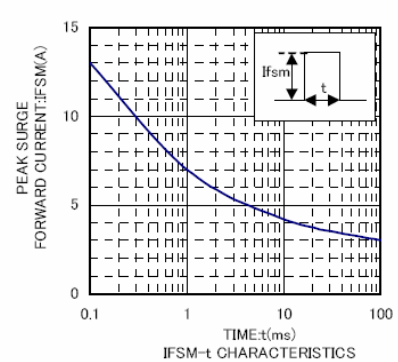
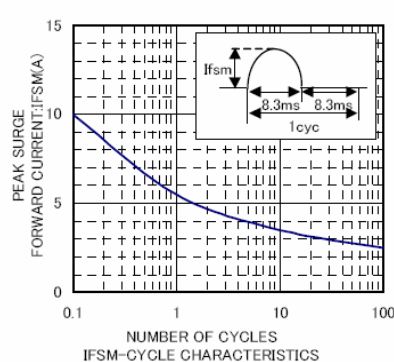
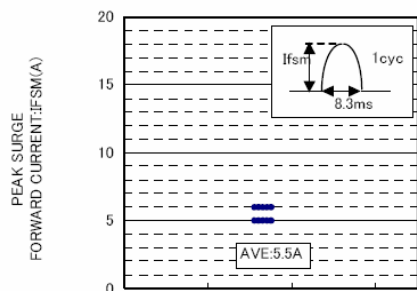
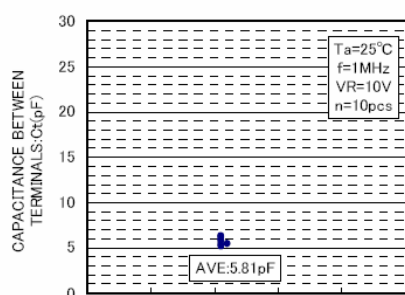
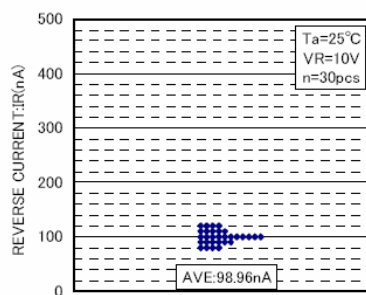
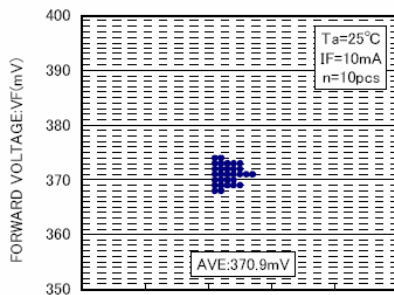
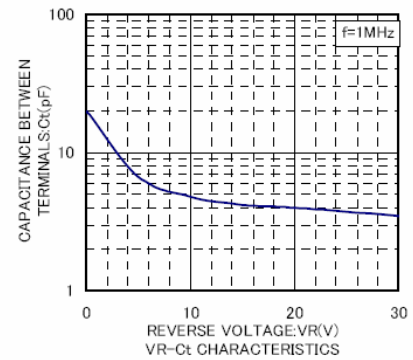
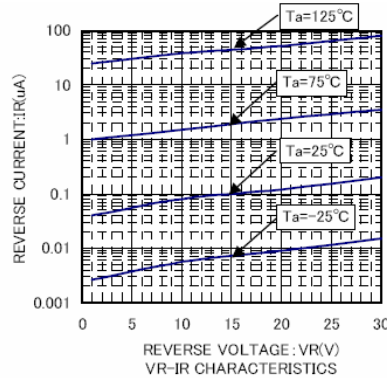
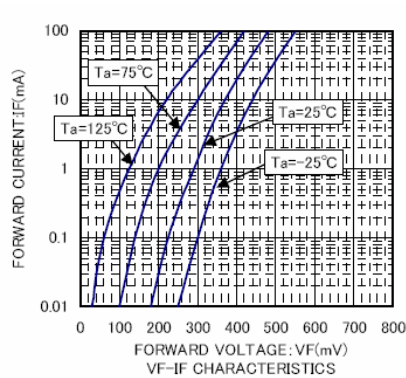
Characteristic	Symbol	Min	Typ	MAX	UNIT	Test Condition
Forward Voltage	V_F	-	-	0.45	V	$I_F=10mA$
Reverse Leakage Current	I_R	-	-	1	uA	$V_R=10V$
Capacitance between terminals	C_t	-	6	-	pF	$V_R=10V, f=1.0MHz$



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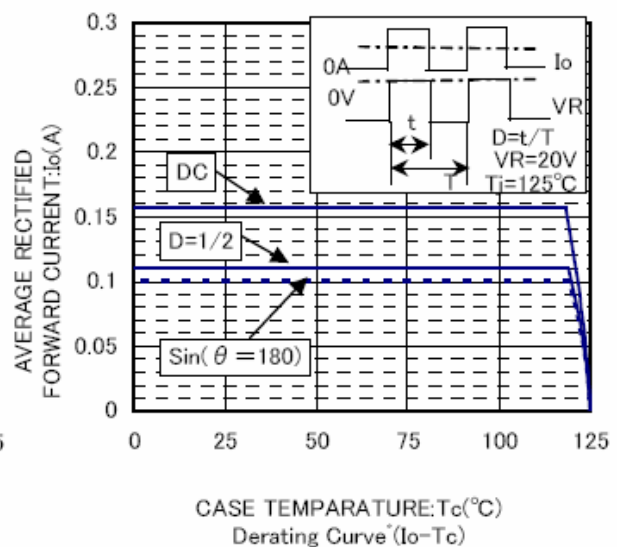
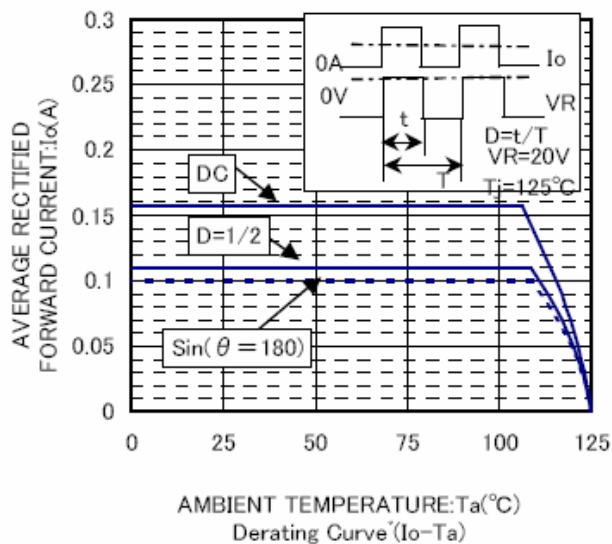
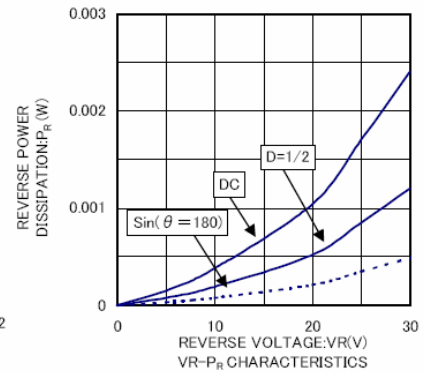
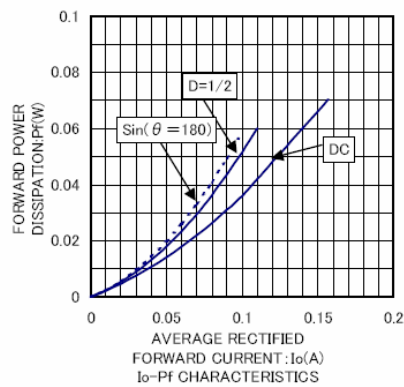
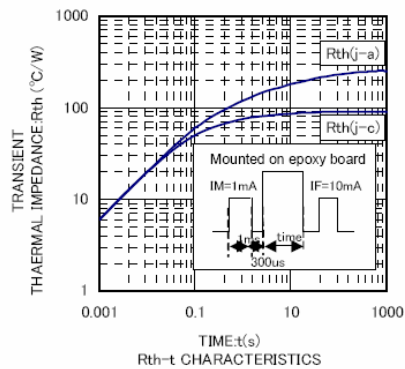
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TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



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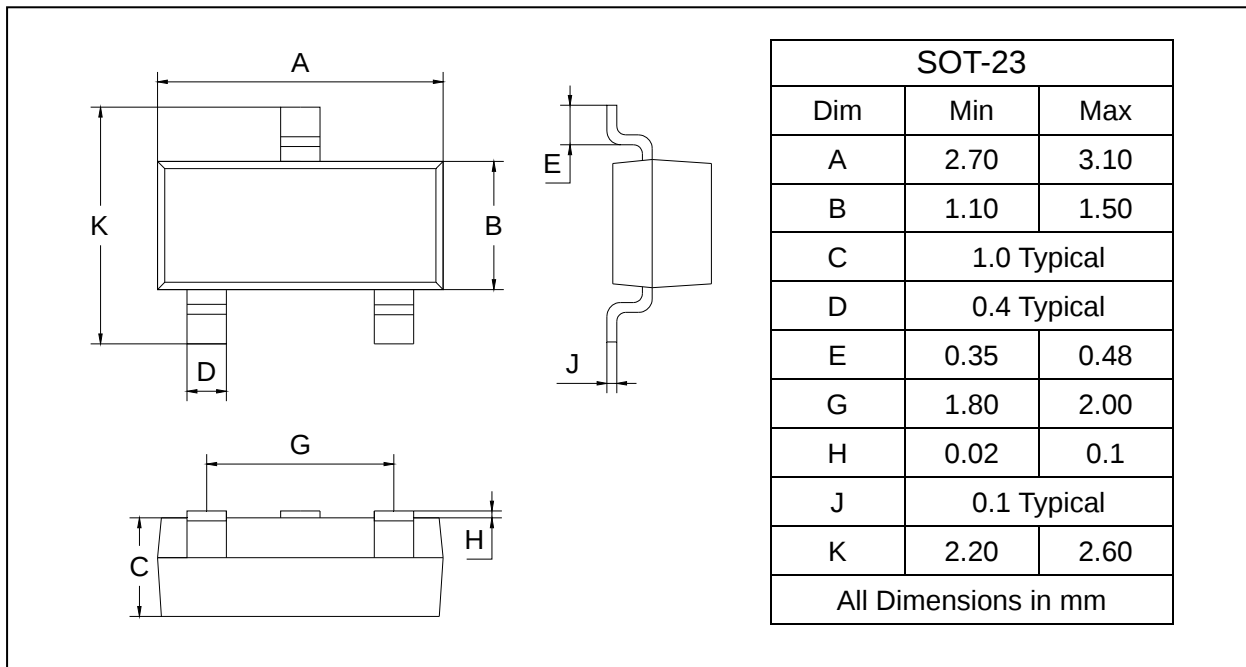
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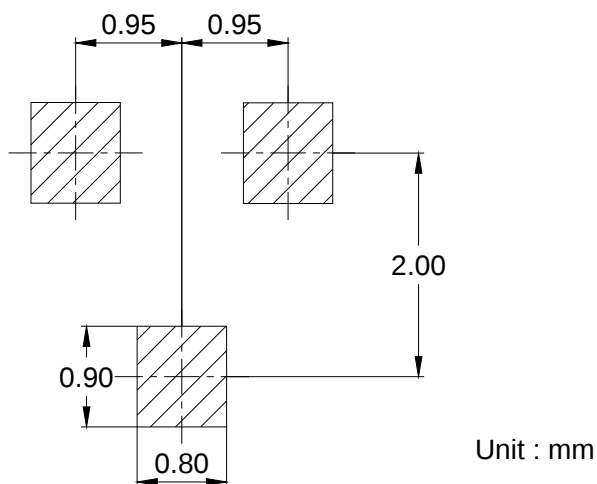
PACKAGE OUTLINE

Plastic surface mounted package

SOT-23



SOLDERING FOOTPRINT



PACKAGE INFORMATION

Device	Package	Shipping
RB420D	SOT-23	3000/Tape&Reel