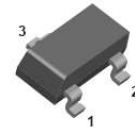




FEATURES

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



SOT-23

APPLICATIONS

- Low power rectification.

ORDERING INFORMATION

Type No.	Marking	Package Code
RB420D□	D3B	SOT-23

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

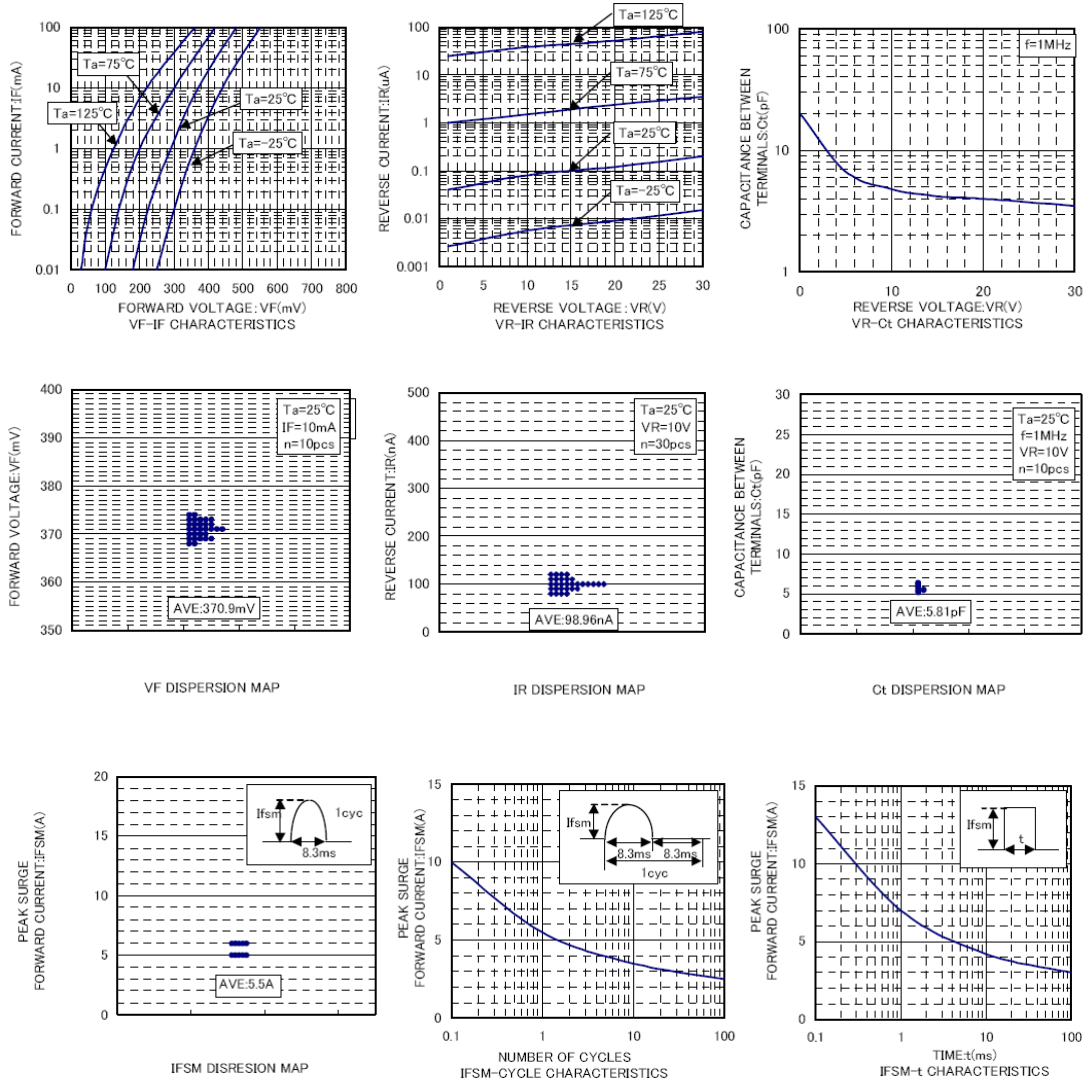
MAXIMUM RATING @ Ta=25°C unless otherwise specified

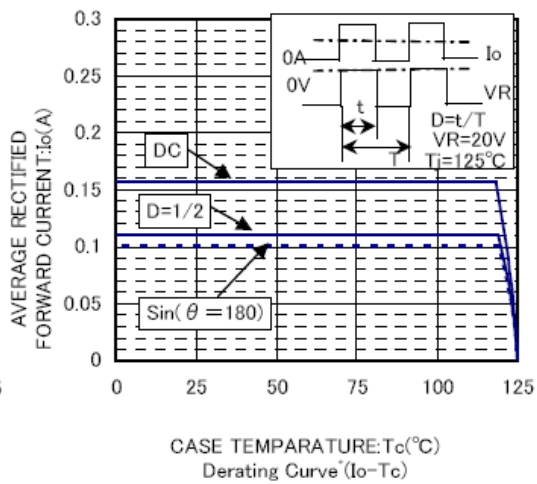
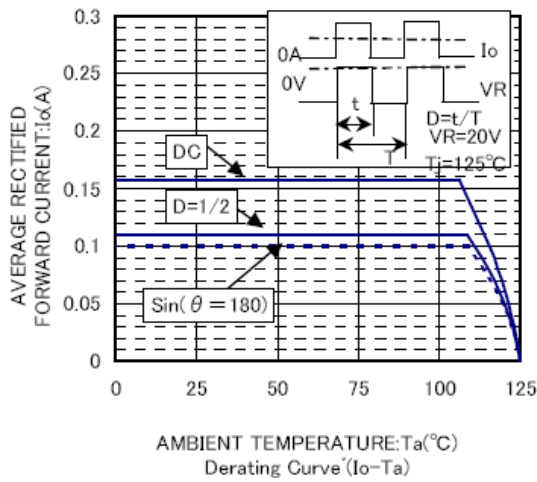
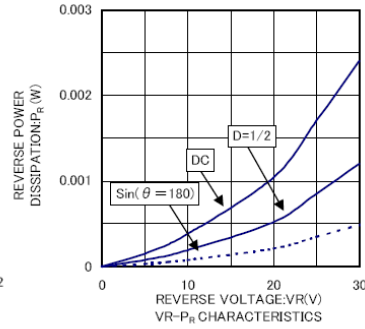
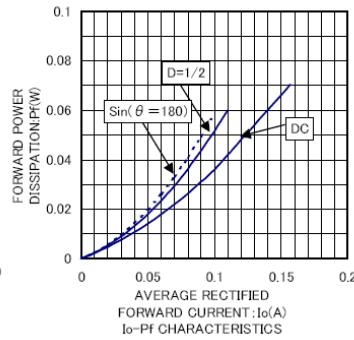
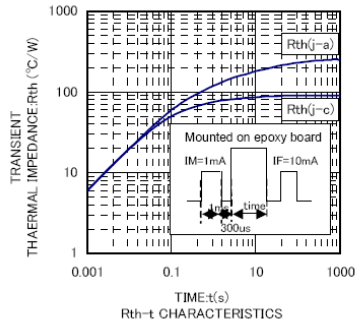
Characteristic	Symbol	Limits	Unit
Peak Repetitive Reverse Voltage DC Reverse Voltage	V_{RRM} V_R	40	V
Average Rectified Forward Current	I_o	100	mA
Forward Current Surge Peak	I_{FSM}	1	A
Operating Junction Temperature Range	T_j	125	°C
Storage Temperature Range	T_{STG}	-40 to +150	°C

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	$V_R=10V, f=1.0MHz$

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



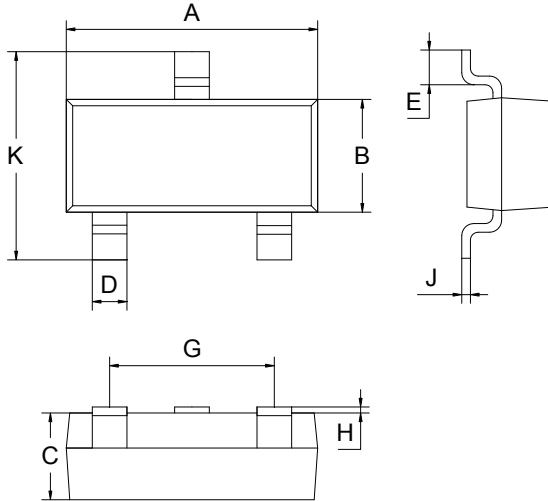




PACKAGE OUTLINE

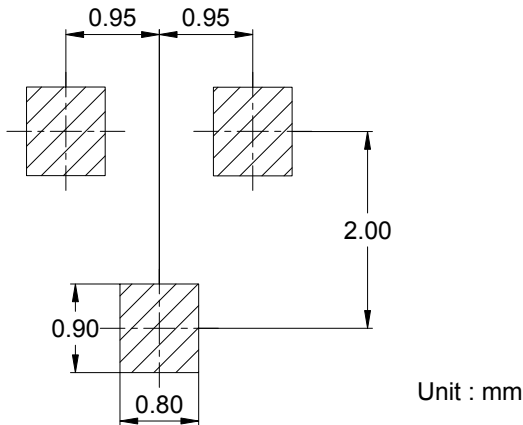
Plastic surface mounted package

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



PACKAGE INFORMATION

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