

Schottky Barrier Diode

Lead free product

Halogen-free type

RB411DGH



FEATURES

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

APPLICATIONS

- Low current rectification.

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

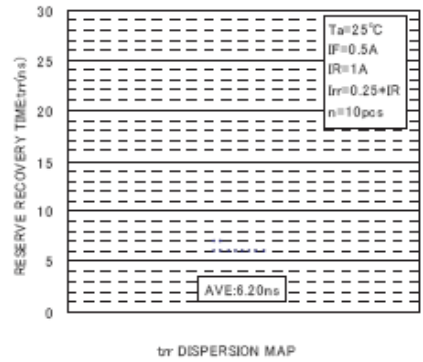
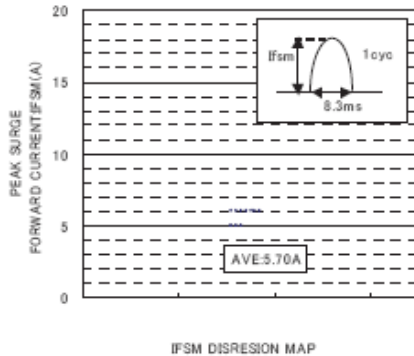
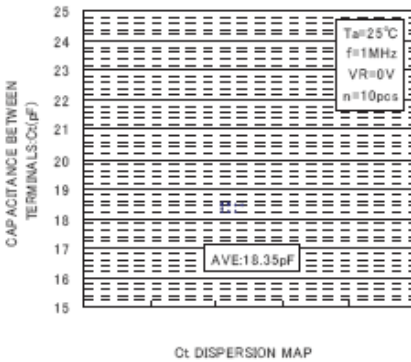
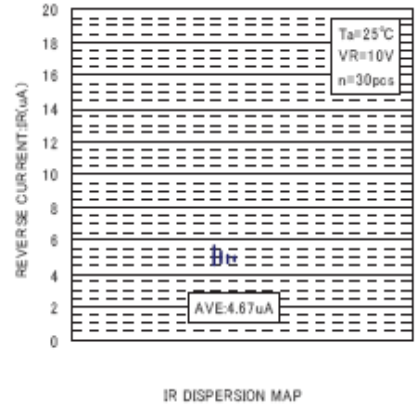
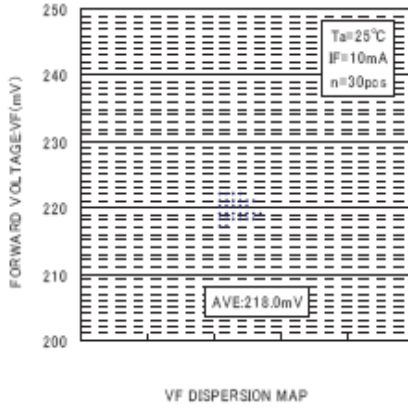
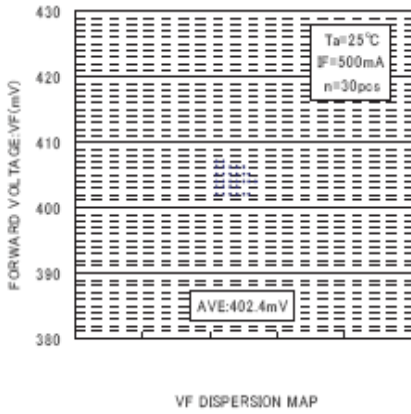
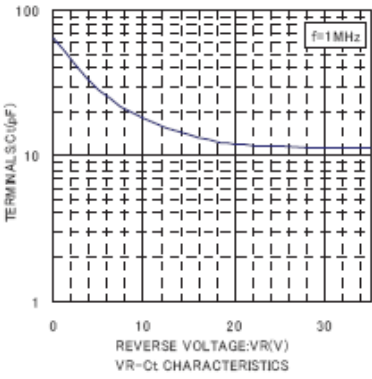
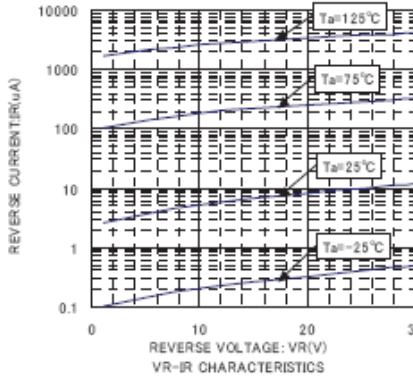
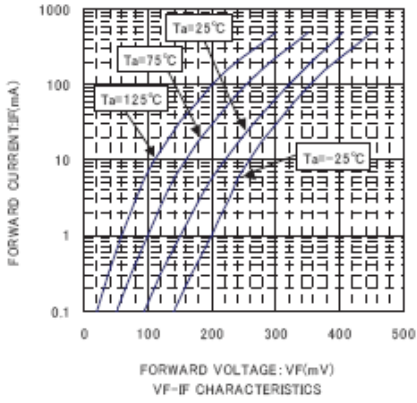
Characteristic	Symbol	Limits	Unit
Reverse Voltage (Repetitive Peak)	V_{RM}	40	V
Reverse Voltage (DC)	V_R	20	
Average Rectified Forward Current	I_O	500	mA
Forward Current Surge Peak (60Hz. 1cyc)	I_{FSM}	3	A
Junction Temperature Range	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-40 to +125	$^\circ\text{C}$

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

Characteristic	Symbol	Min	Typ	MAX	UNIT	Test Condition
Forward Voltage	V_F	-	-	0.50 0.30	V	$I_F=500\text{mA}$ $I_F=10\text{mA}$
Reverse Leakage Current	I_R	-	-	30	μA	$V_R=10\text{V}$
Junction Capacitance	C_j	-	20	-	pF	$V_R=10\text{V}, f=1.0\text{MHz}$

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TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



CASE DRAWINGS

SOT-23

Unit : mm

