

# Schottky barrier diode

## RB751CS-40

**●Applications**

Low current rectification

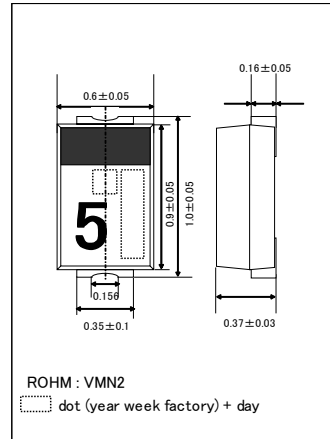
**●Features**

- 1) Ultra Small mold type(VMN2)
- 2) Low  $V_F$
- 3) High reliability

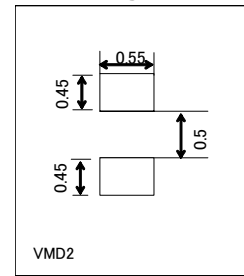
**●Structure**

Silicon epitaxial planer

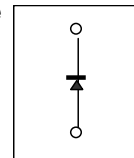
**●External dimensions (Unit : mm)**



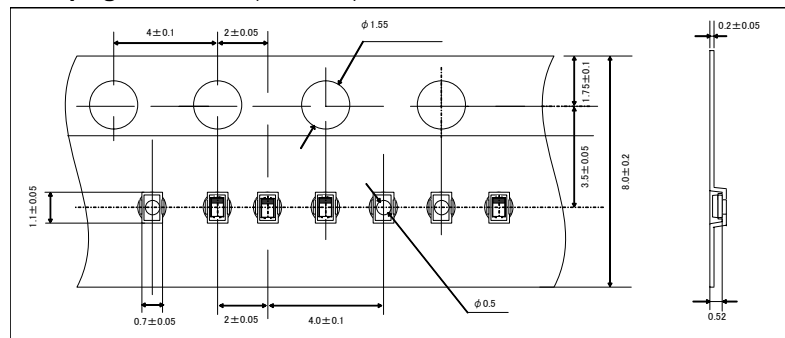
**●Land size figure (Unit : mm)**



**●Structure**



**●Taping dimensions (Unit : mm)**



**●Absolute maximum ratings (Ta=25°C)**

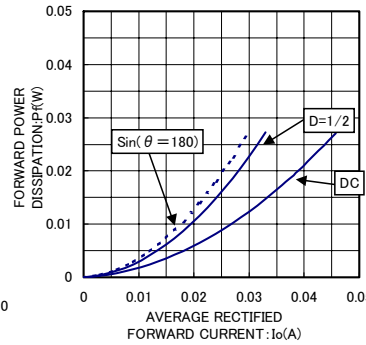
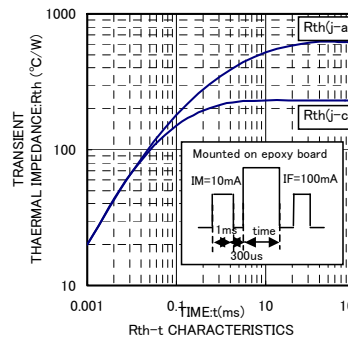
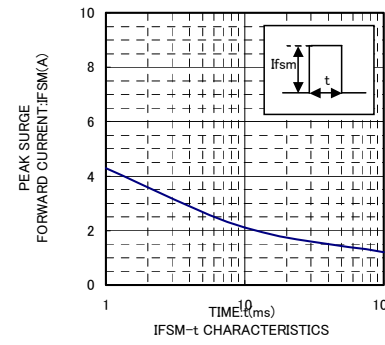
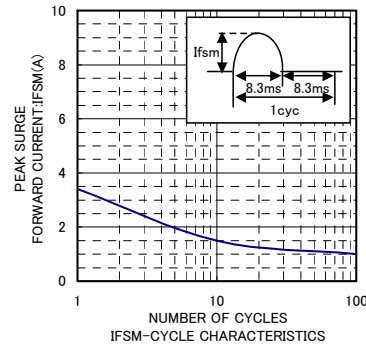
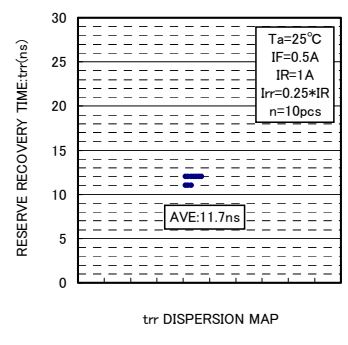
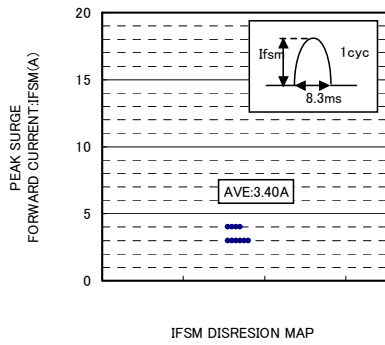
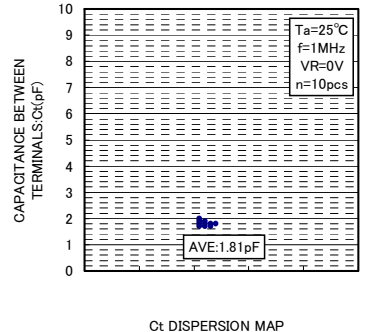
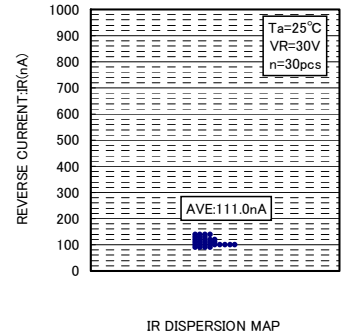
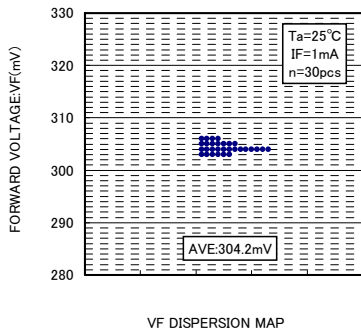
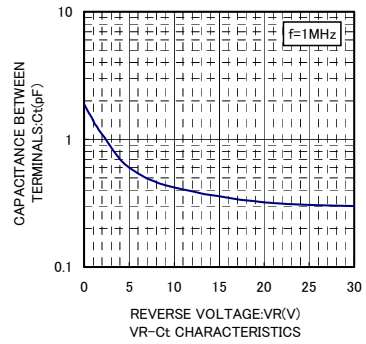
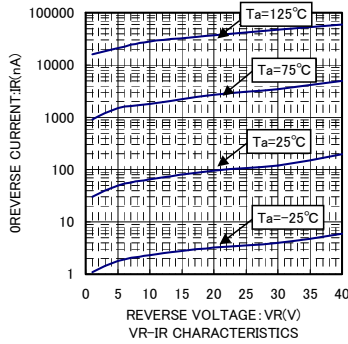
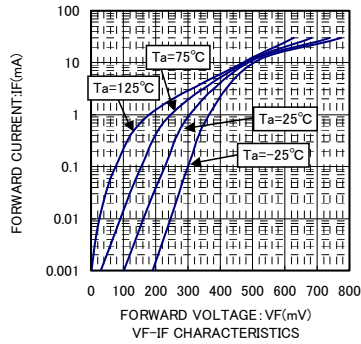
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	$I_o$	30	mA
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	200	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

**●Electrical characteristic (Ta=25°C)**

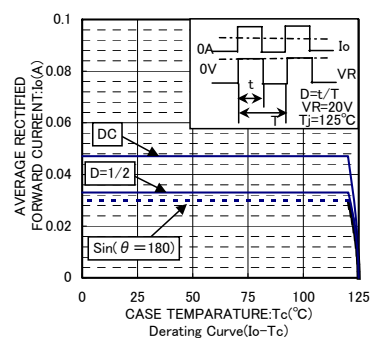
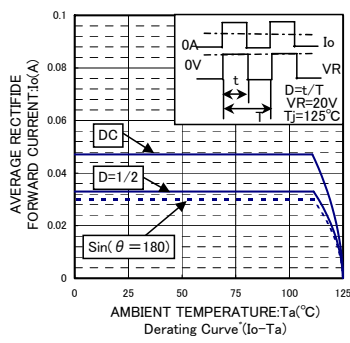
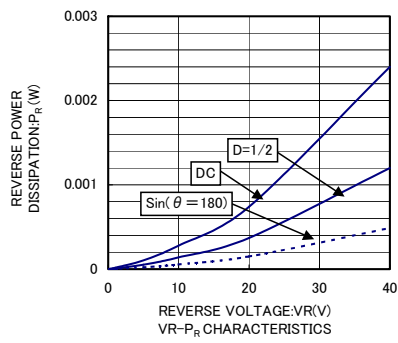
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-		0.37	V	$I_F=1mA$
Reverse current	$I_R$	-		0.5	μA	$V_R=30V$
Capacitance between terminals	$C_t$	-	2	-	pF	$V_R=1V, f=1MHz$

Diodes

●Electrical characteristic curves



Diodes



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