

# Schottky barrier diode

## RB751S-40

**●Applications**

Low current rectification

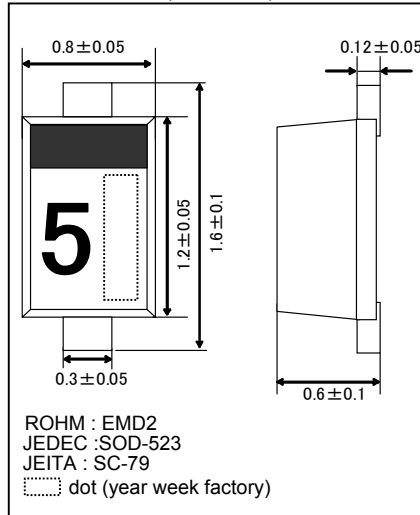
**●Features**

- 1) Ultra small mold type. (EMD2)
- 2) Low  $V_f$
- 3) High reliability

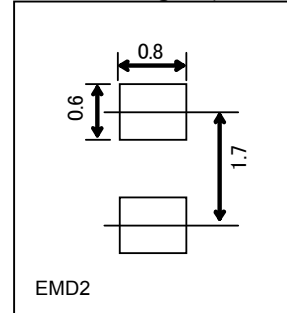
**●Construction**

Silicon epitaxial planar

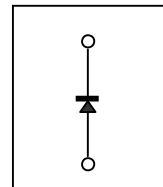
**●Dimensions (Unit : mm)**



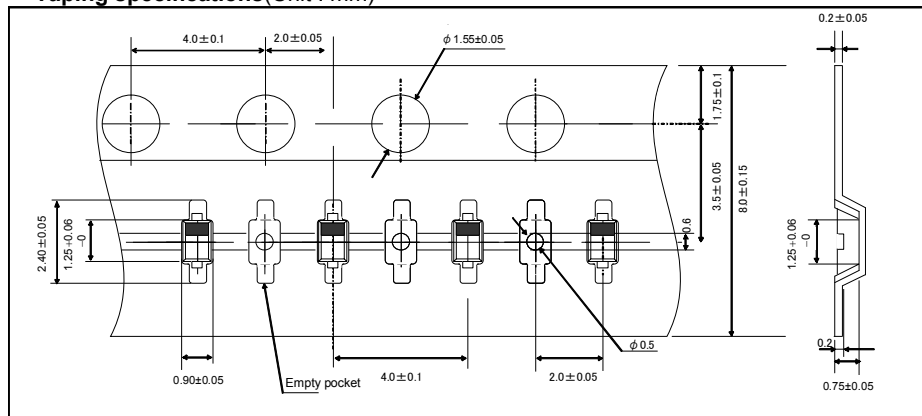
**●Land size figure (Unit : mm)**



**●Structure**



**●Taping specifications (Unit : mm)**



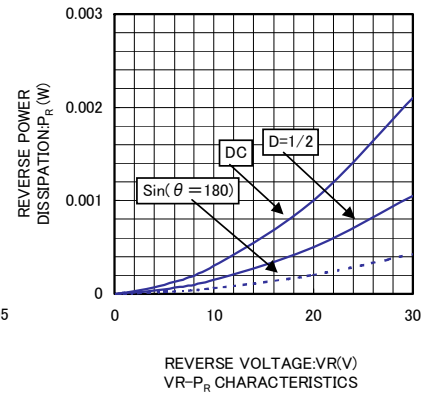
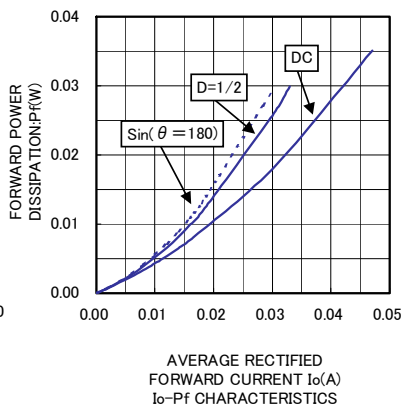
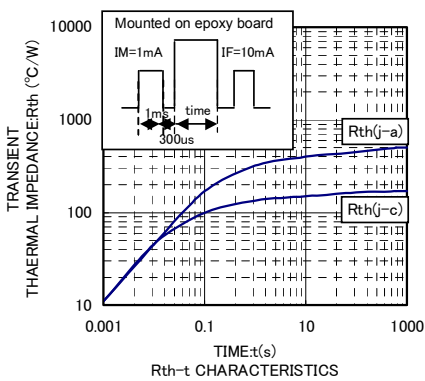
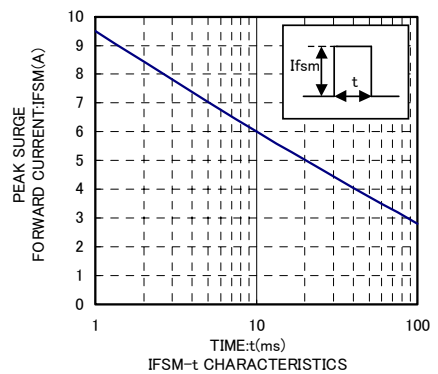
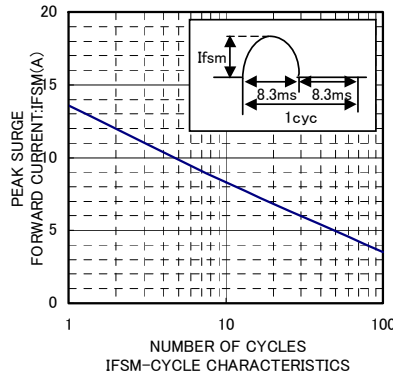
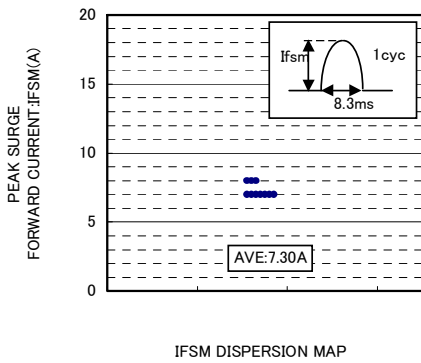
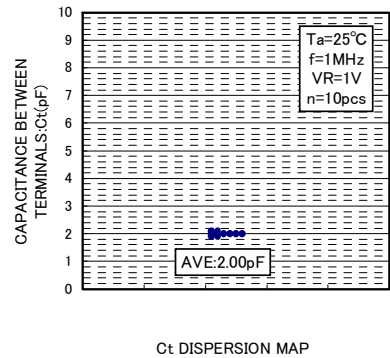
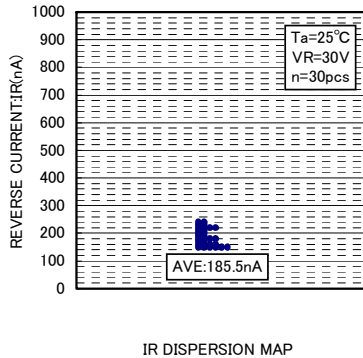
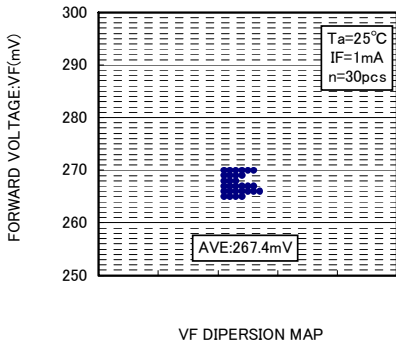
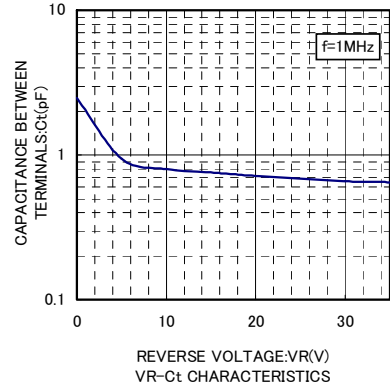
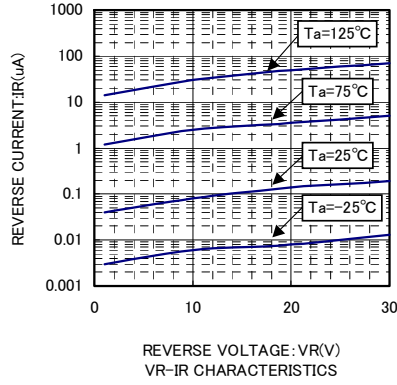
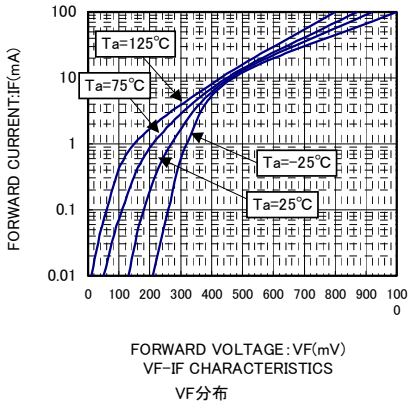
**●Absolute maximum ratings (Ta=25°C)**

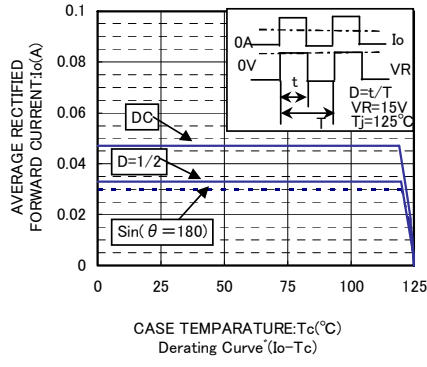
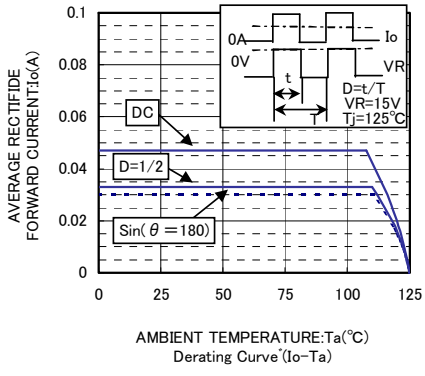
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	$I_o$	30	mA
Forward current surge peak (60Hz/1cyc)	$I_{FSM}$	200	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

**●Electrical characteristics (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	$V_R=1V, f=1MHz$

●Electrical characteristic curves





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