

Schottky barrier diode

RB751S-40

● Applications

Low current rectification

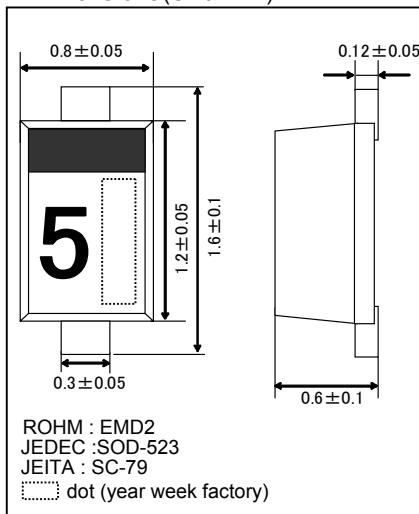
● Features

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

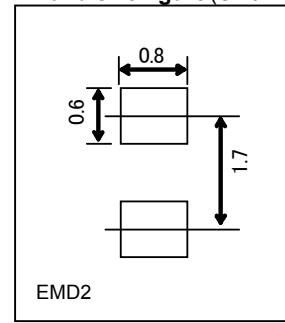
● Construction

Silicon epitaxial planar

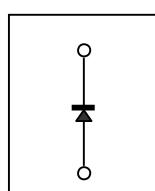
● Dimensions (Unit : mm)



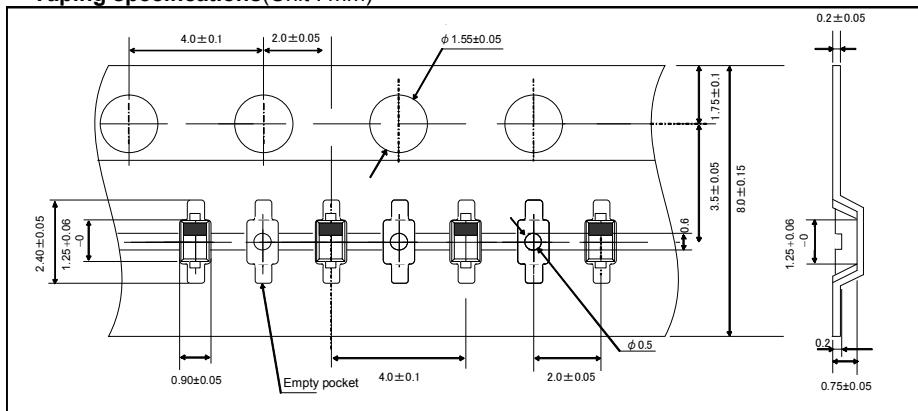
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)



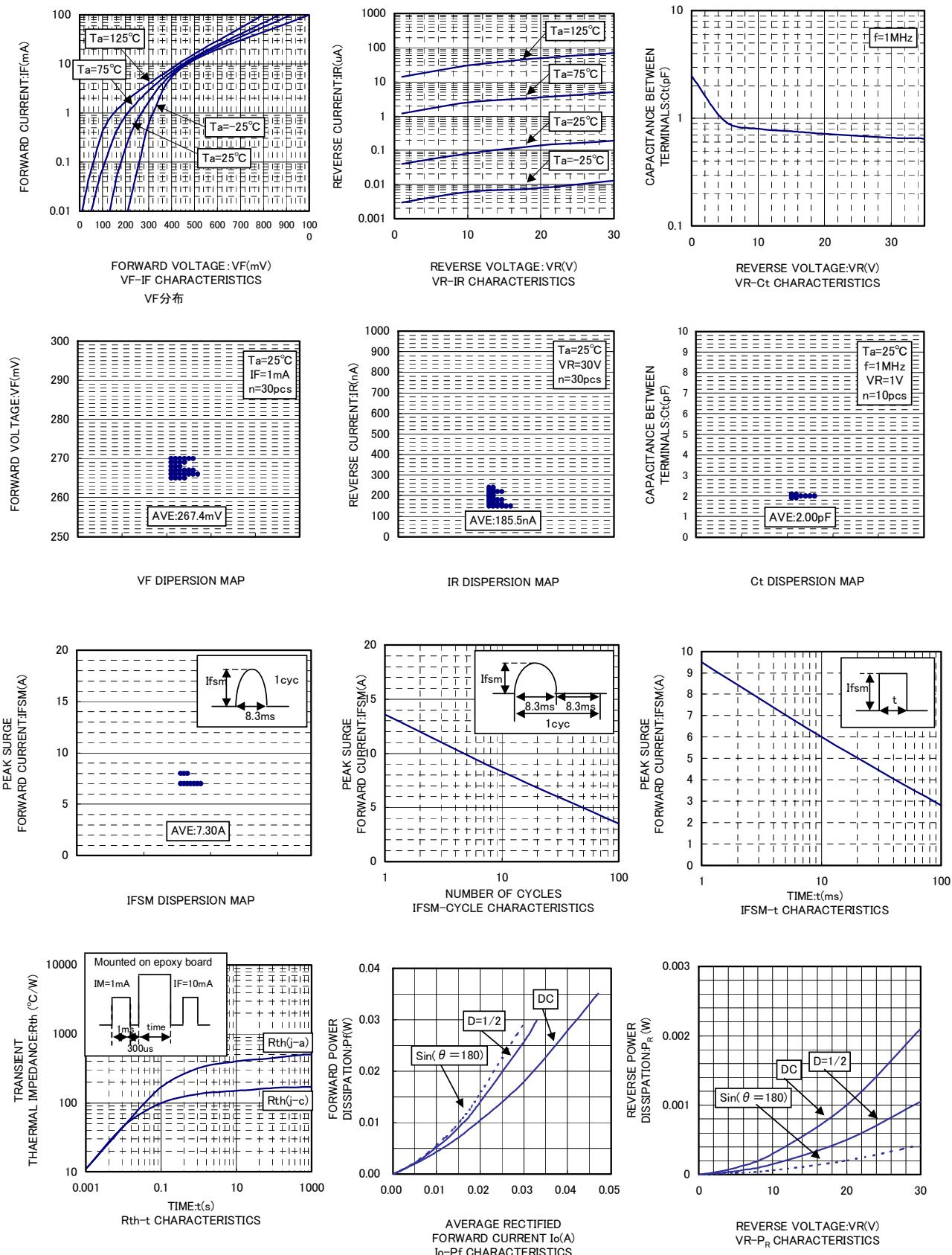
● Absolute maximum ratings (Ta=25°C)

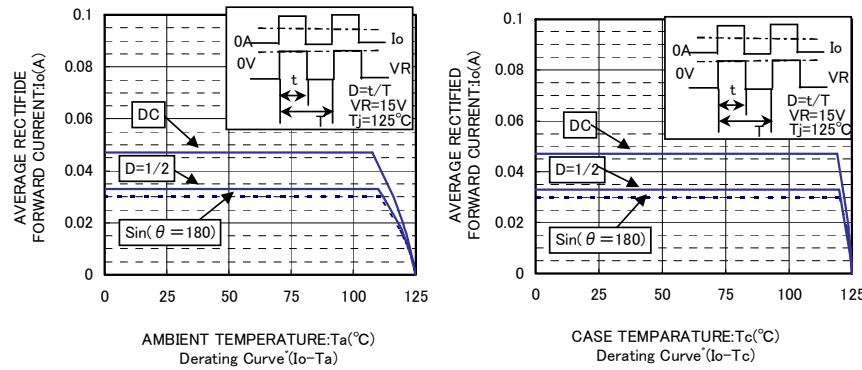
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	30	mA
Forward current surge peak(60Hz/1cyc)	I_{FSM}	200	mA
Junction temperature	T_j	125	°C
Storage temperature	T_{Stg}	-40 to +125	°C

● Electrical characteristics (Ta=25°C)

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

● Electrical characteristic curves





Notes

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