

Schottky Barrier Diode

RB520S-40

●Applications

Rectifying small power

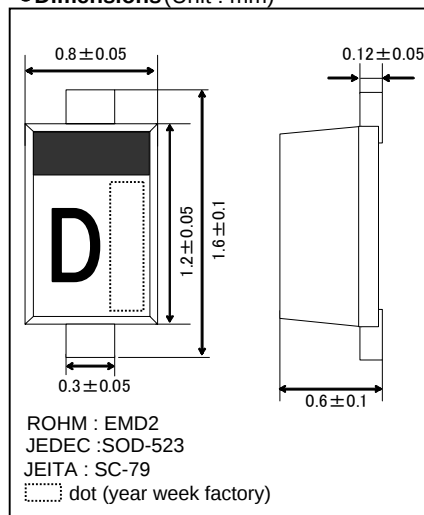
●Features

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

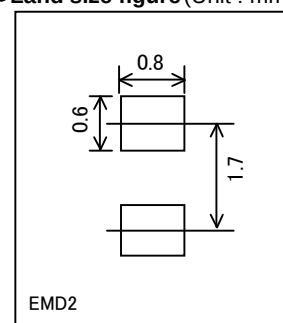
●Construction

Silicon epitaxial

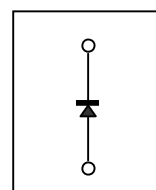
● **Dimensions** (Unit : mm)



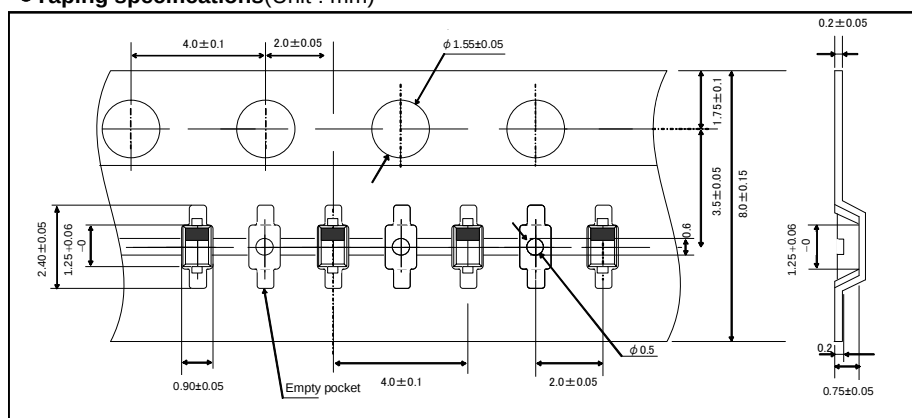
●Land size figure (Unit : mm)



●Structure



●Taping specifications(Unit : mm)

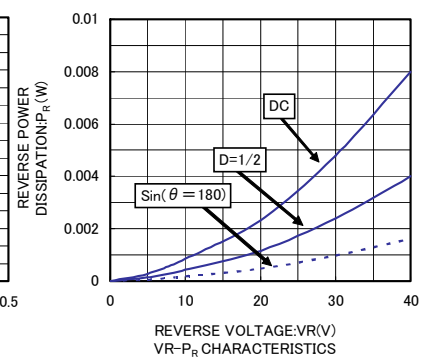
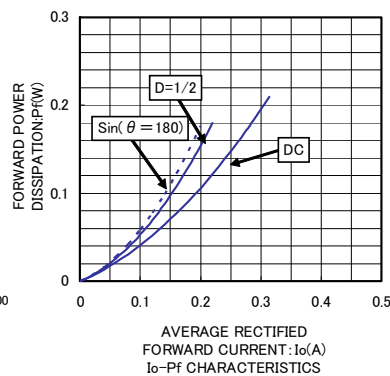
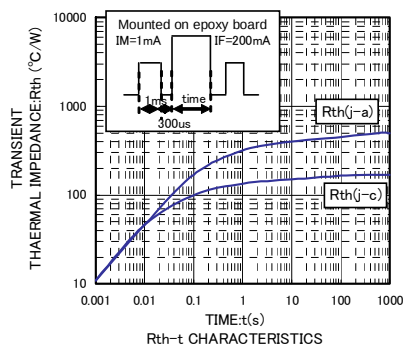
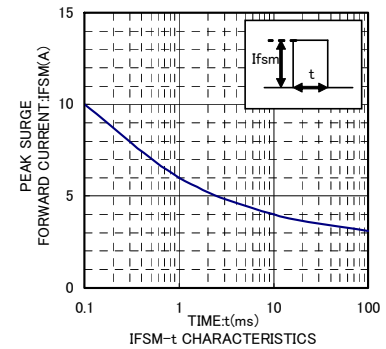
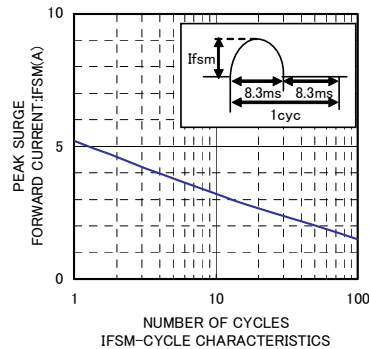
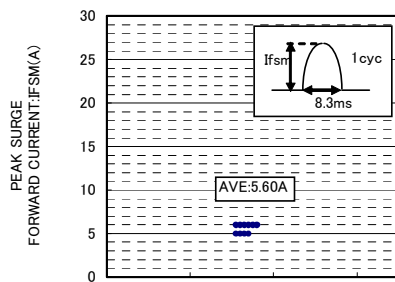
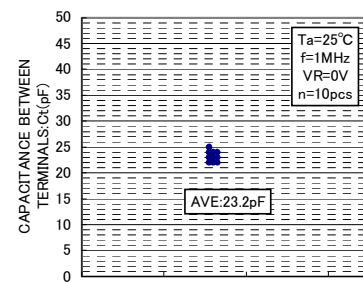
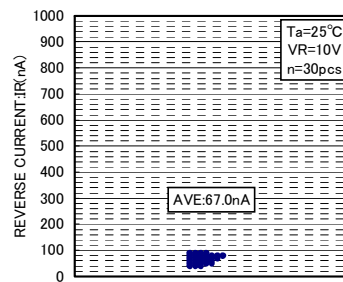
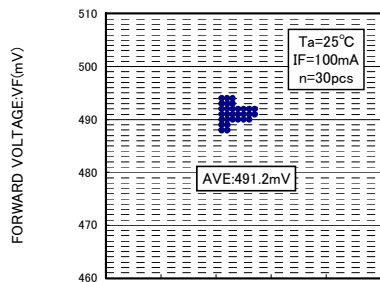
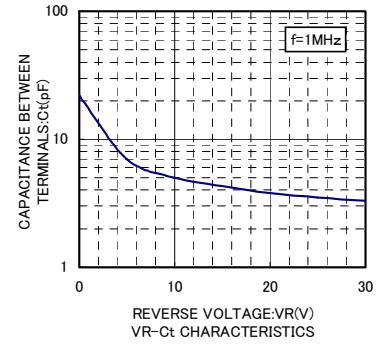
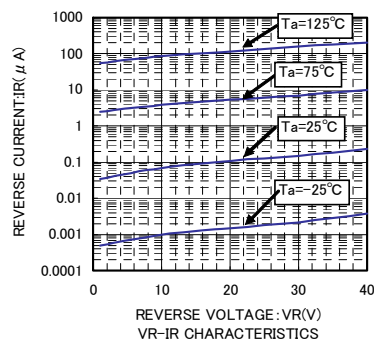
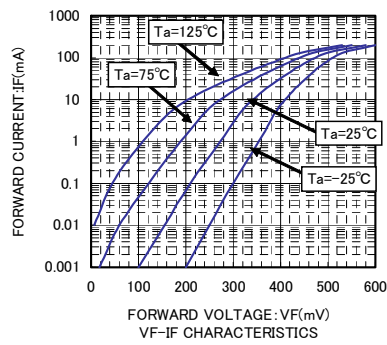


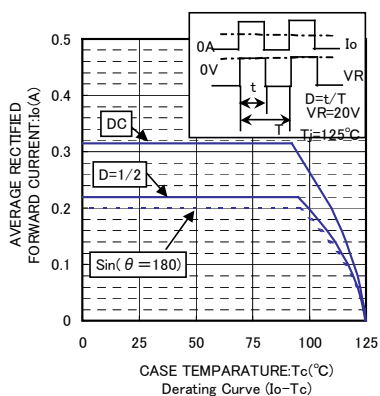
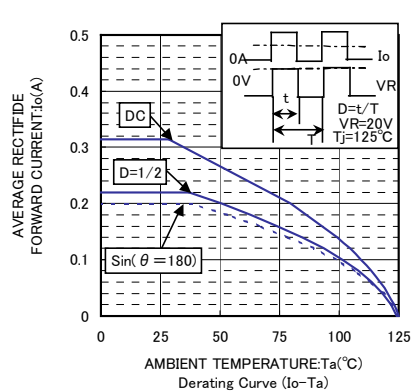
●Absolute maximum ratings(Ta=25°C)

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

●Electrical characteristics(Ta=25°C)

Electrical Characteristics (Ta = 25°C)						
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.39	V	I _F =10mA
	V _F	-	-	0.55	V	I _F =100mA
Reverse current	I _R	-	-	1	μA	V _R =10V
	I _R	-	-	10	μA	V _R =40V





Notes

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