Schottky barrier diode

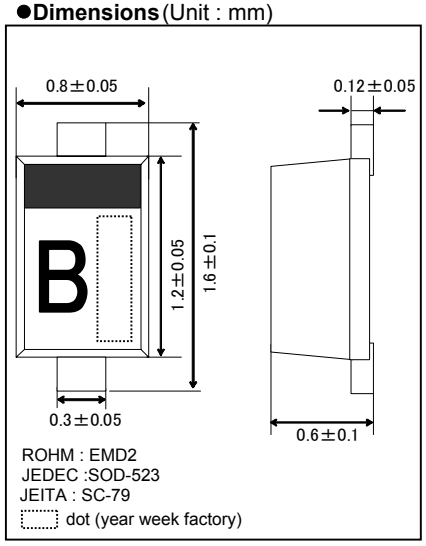
RB520S-30

●Applications
Low current rectification

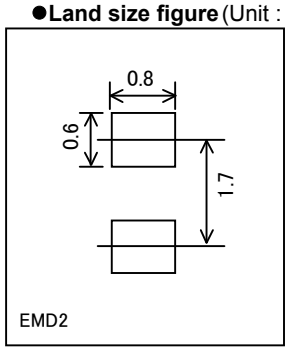
●Features
1) Ultra Small mold type. (EMD2)
2) Low I_R.
3) High reliability.

●Construction
Silicon epitaxial planar

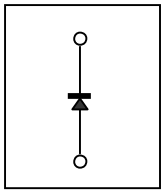
●Dimensions (Unit : mm)



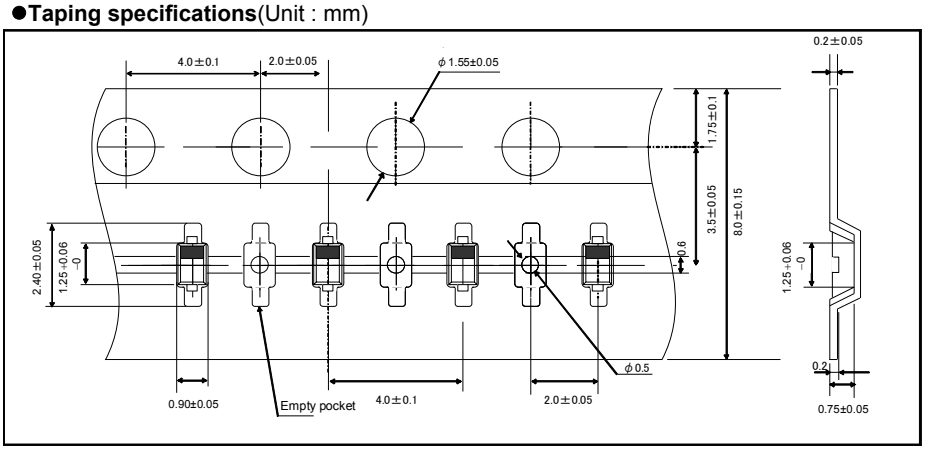
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	Io	200	mA
Forward current surge peak (60Hz・1cyc)	I_{FSM}	1	A
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.6	V	I_F=200mA
Reverse current	I_R	-	-	1	μA	V_R=10V

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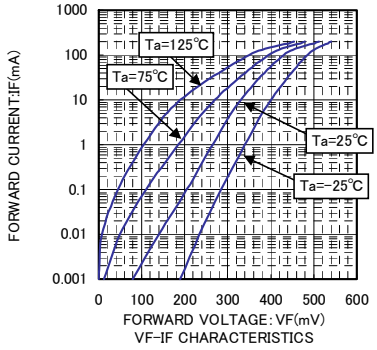
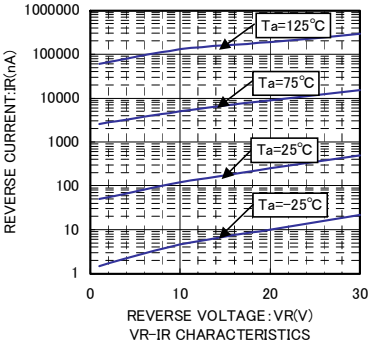
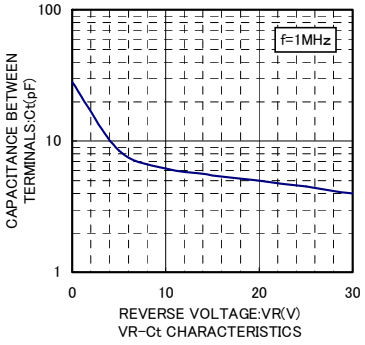


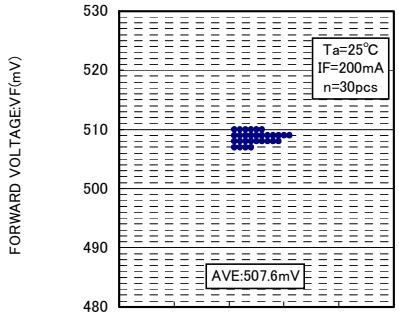
VF-IF CHARACTERISTICS



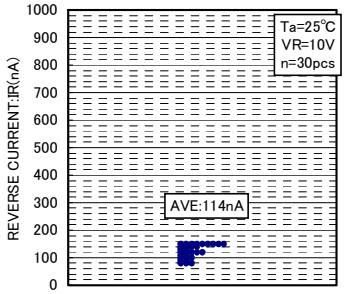
VR-IR CHARACTERISTICS



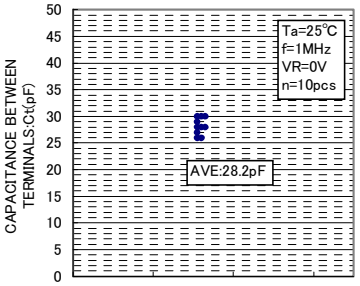
VR-Ct CHARACTERISTICS



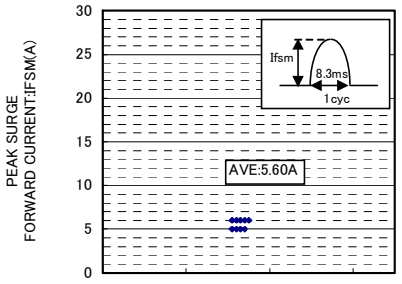
VF DISPERSION MAP



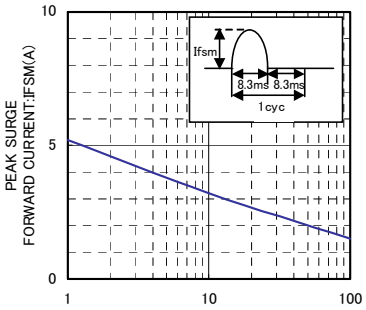
IR DISPERSION MAP



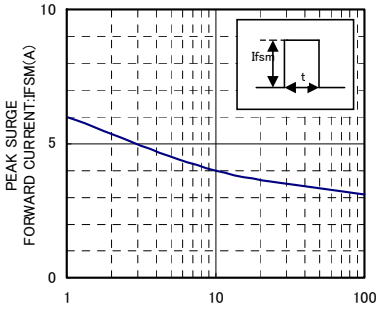
Ct DISPERSION MAP



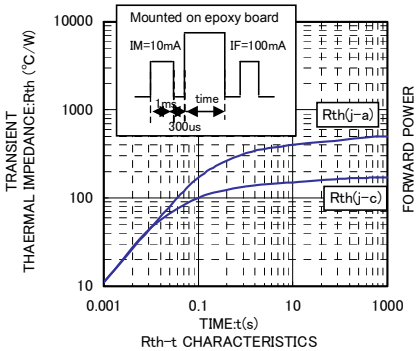
IFSM DISRESION MAP



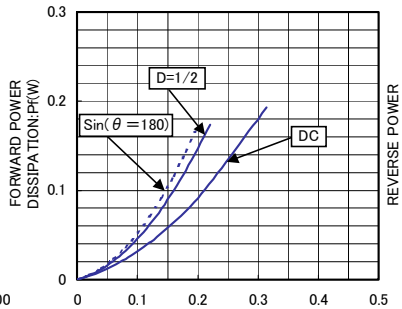
IFSM-CYCLE CHARACTERISTICS



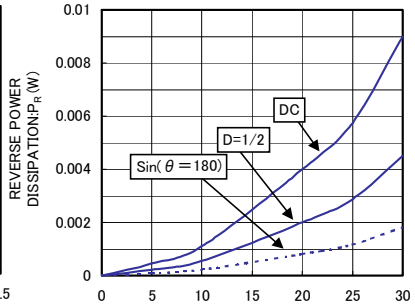
IFSM-t CHARACTERISTICS



Rth-t CHARACTERISTICS



Io-Pf CHARACTERISTICS



VR-P_R CHARACTERISTICS

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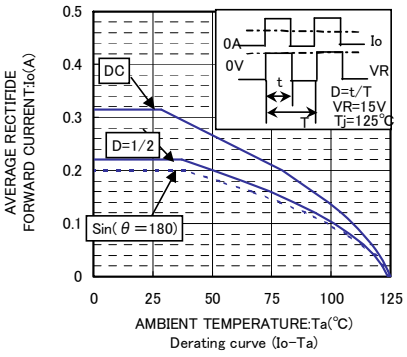
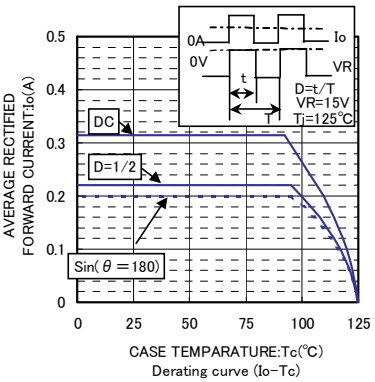


Derating curve (Io-Ta)



Derating curve (Io-Tc)

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