

Schottky Barrier Diode

RB520ZS8A30

●Applications

Rectifying small power

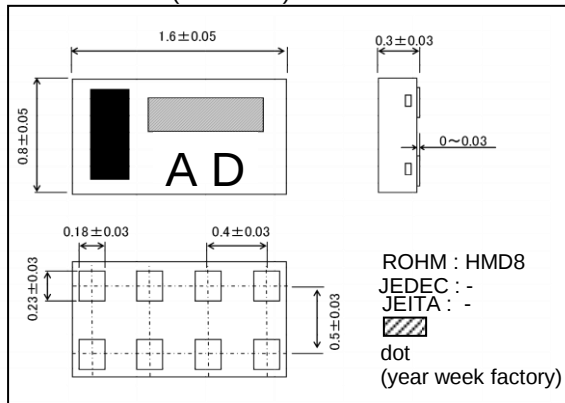
●Features

- 1) Ultra small mold type (HMD8)
- 2) Halogen Free

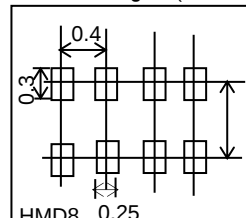
●Construction

Silicon epitaxial planer

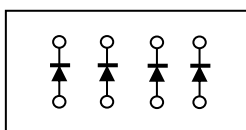
●Dimensions (Unit : mm)



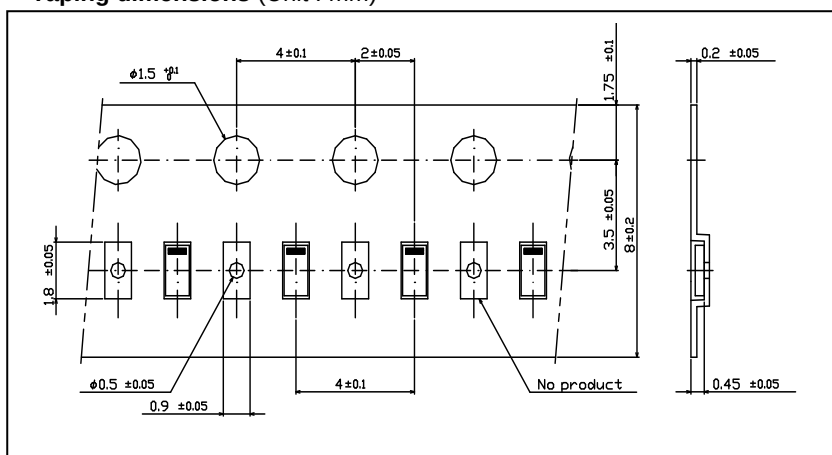
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



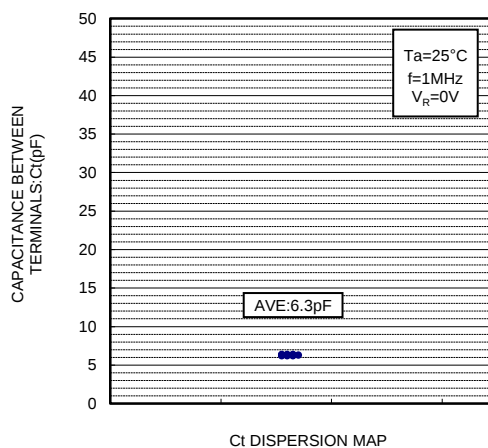
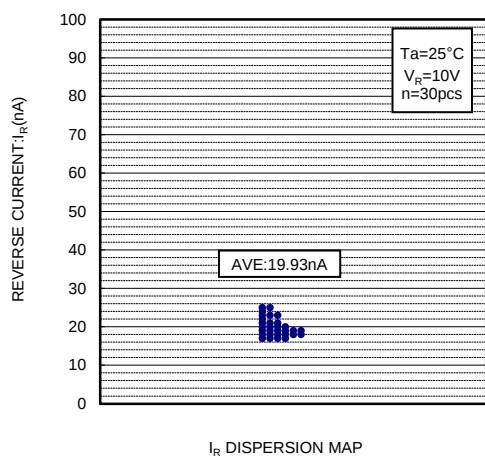
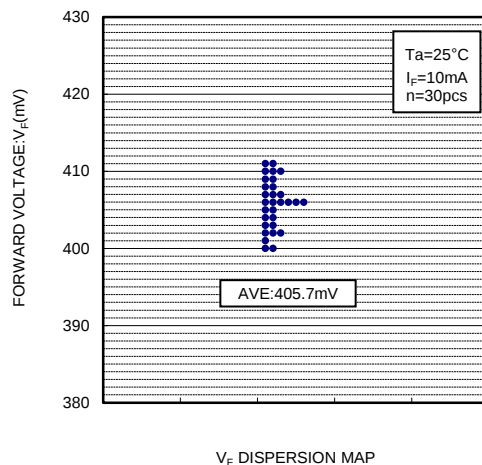
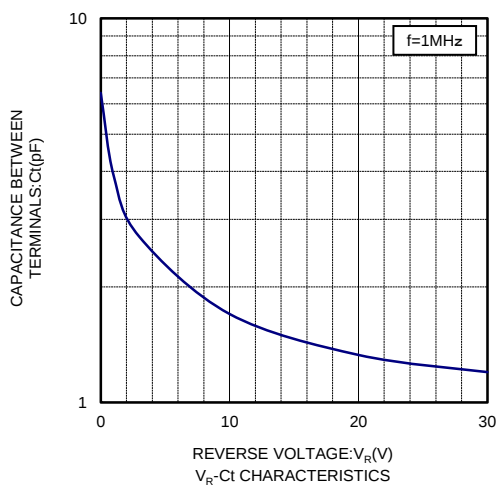
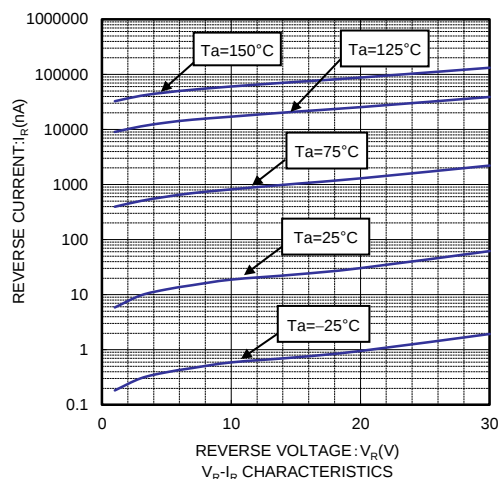
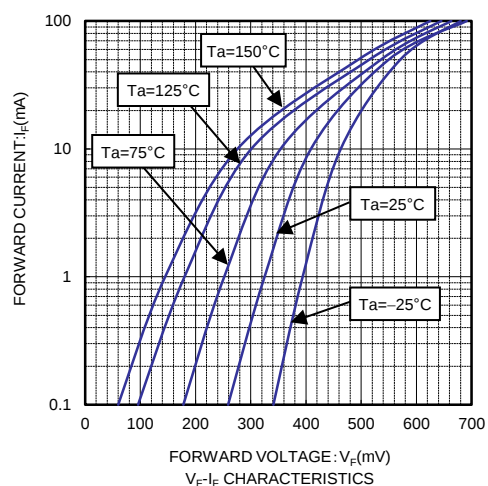
●Absolute maximum ratings (Ta=25°C)

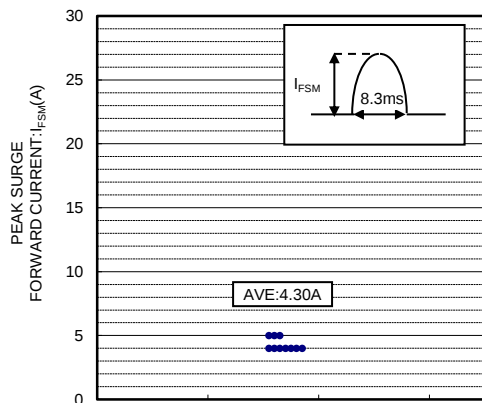
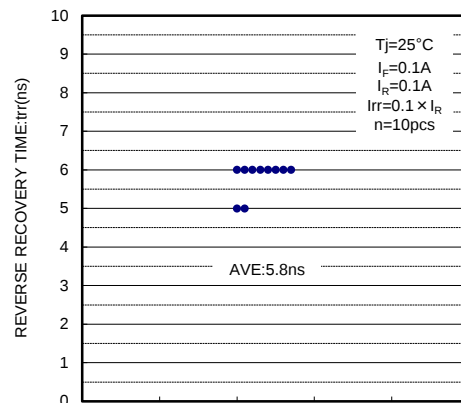
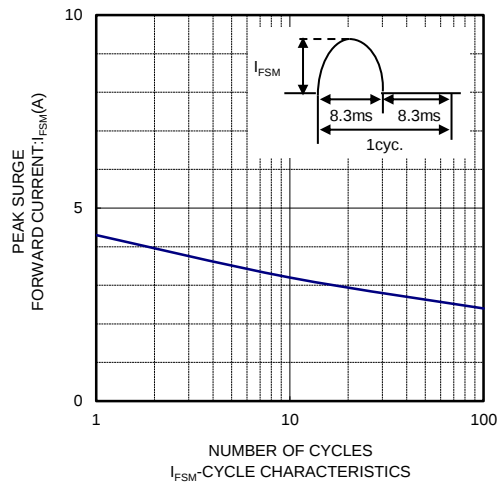
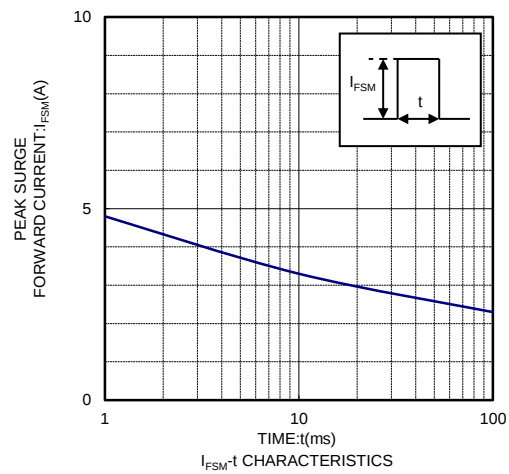
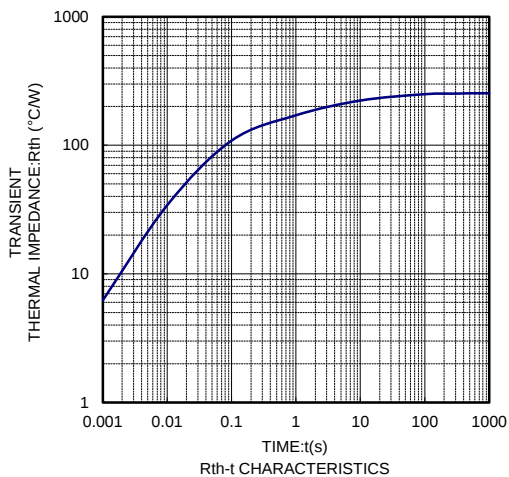
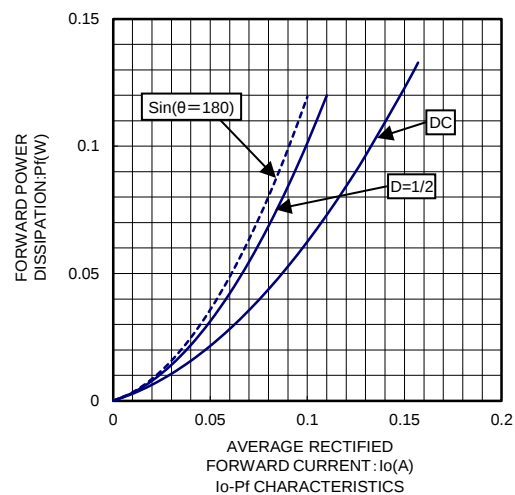
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current (*1)	I_O	100	mA
Forward current surge peak (60Hz·1cyc.) (*2)	I_{FSM}	500	mA
Junction temperature	T_J	150	°C
Storage temperature	T_{stg}	-55 to +150	°C
Power dissipation	P_d	400	mW/Total

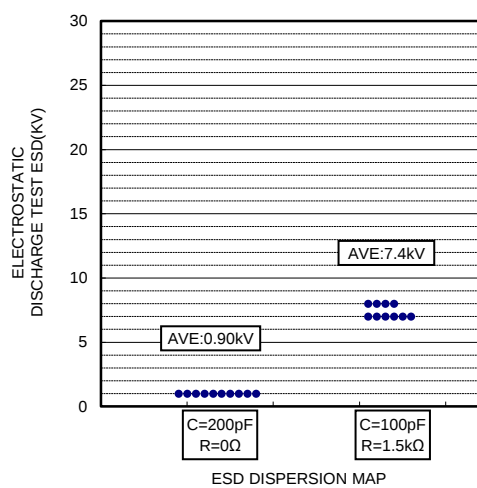
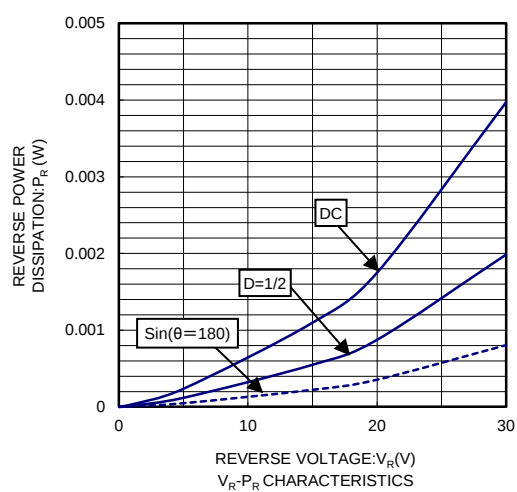
(*1)(*2)Rating of per diode

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.46	V	$I_F=10\text{mA}$
Reverse current	I_R	-	-	0.3	μA	$V_R=10\text{V}$



 I_{FSM} DISPERSION MAP trr DISPERSION MAP I_{FSM} CYCLE CHARACTERISTICS I_{FSM} - t CHARACTERISTICS R_{th} - t CHARACTERISTICS I_o - P_f CHARACTERISTICS



Notes

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