

# Schottky Barrier Diode

**RB521ZS8A30**

## ●Applications

### Rectifying small power

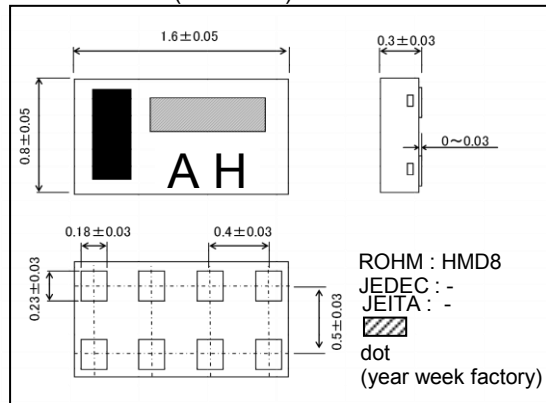
## ●Features

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

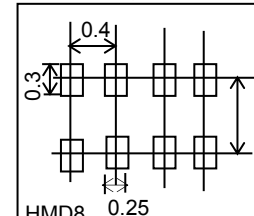
## ●Construction

Silicon epitaxial planer

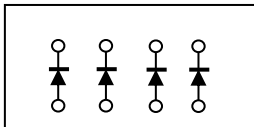
●Dimensions (Unit : mm)



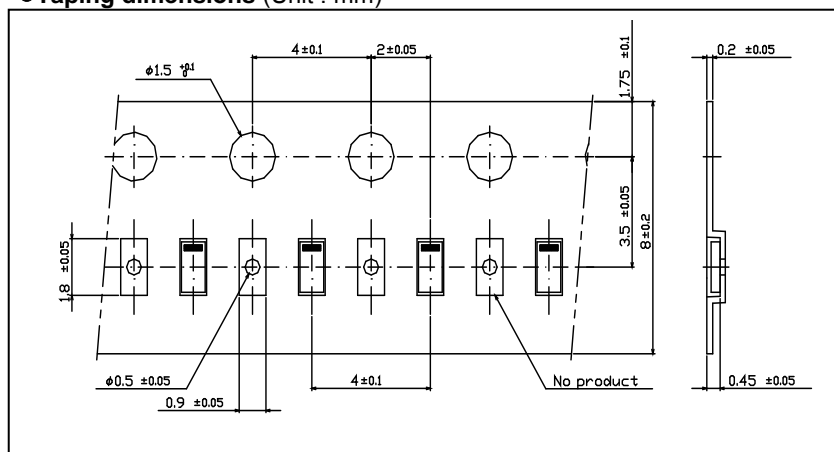
●Land size figure (Unit : mm)



## ● Structure



●Taping dimensions (Unit : mm)



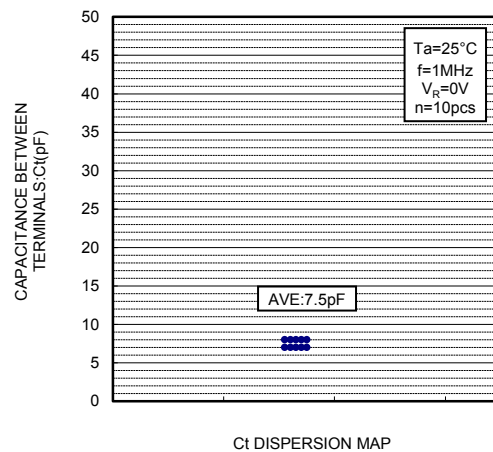
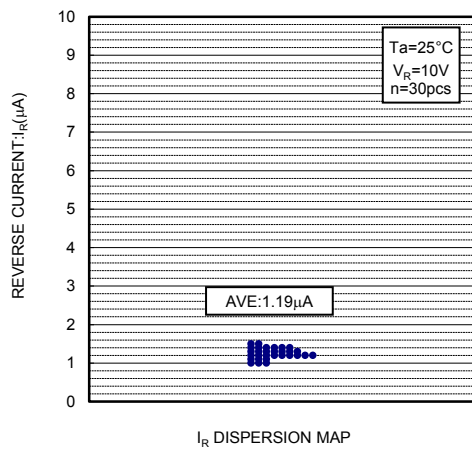
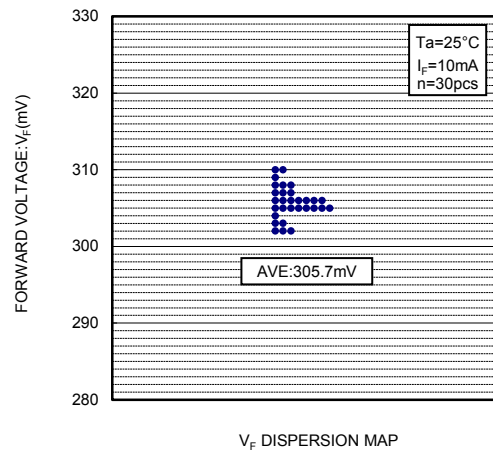
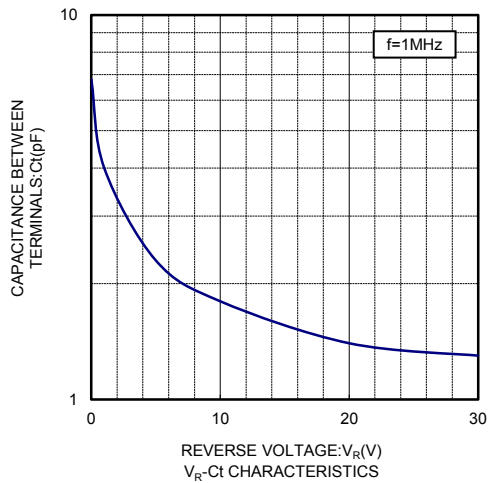
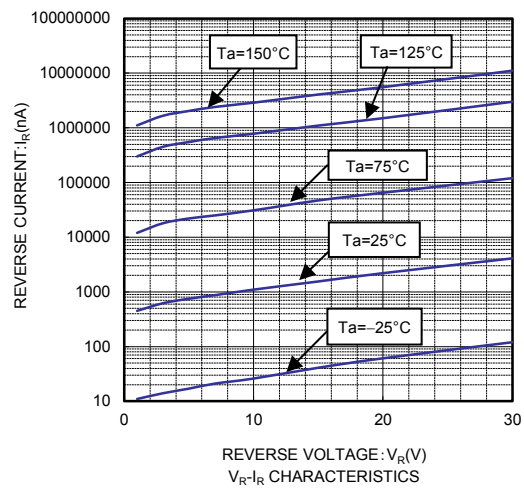
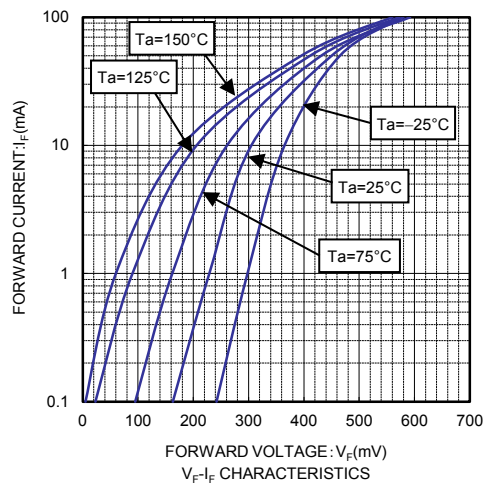
●Absolute maximum ratings (Ta=25°C)

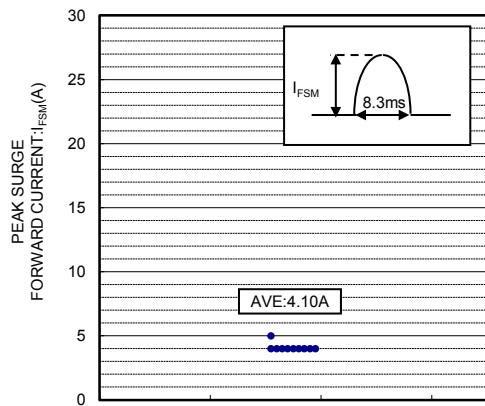
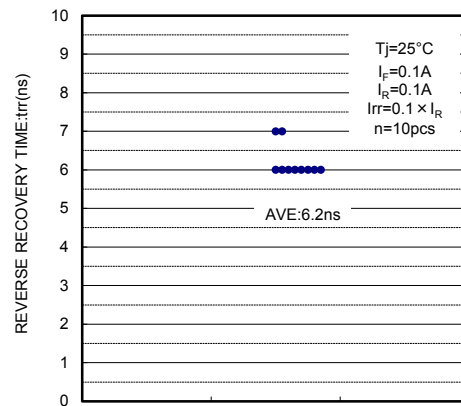
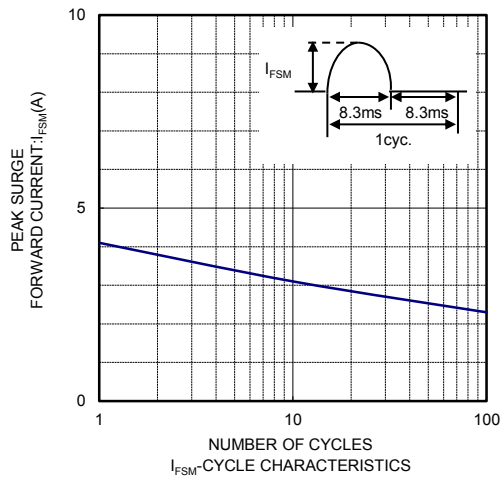
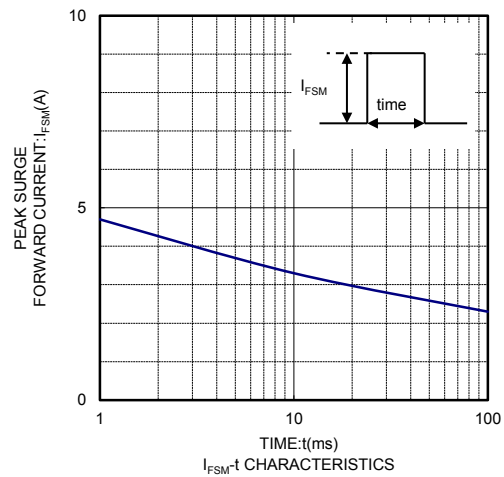
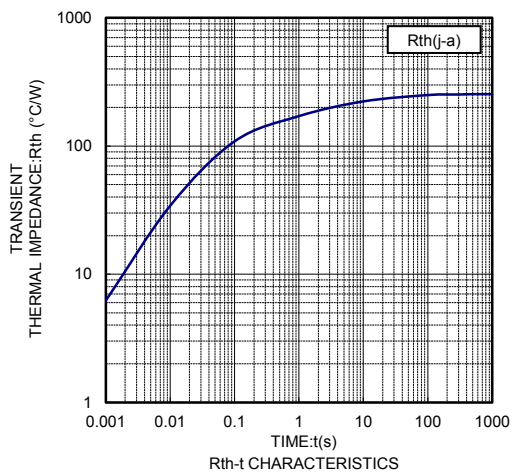
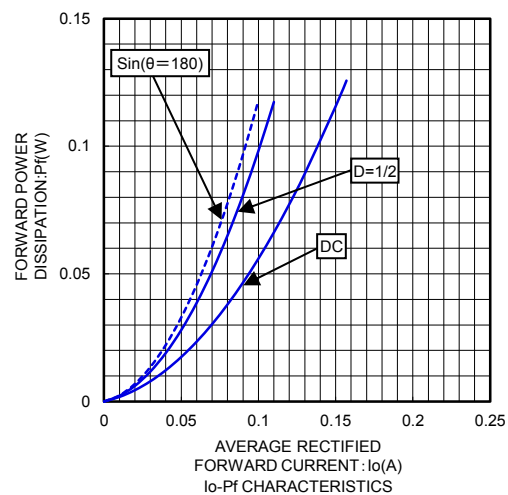
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current (*1)	$I_o$	100	mA
Forward current surge peak (60Hz·1cyc.) (*2)	$I_{FSM}$	500	mA
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-55 to +150	°C
Power dissipation	$P_d$	400	mW/Total

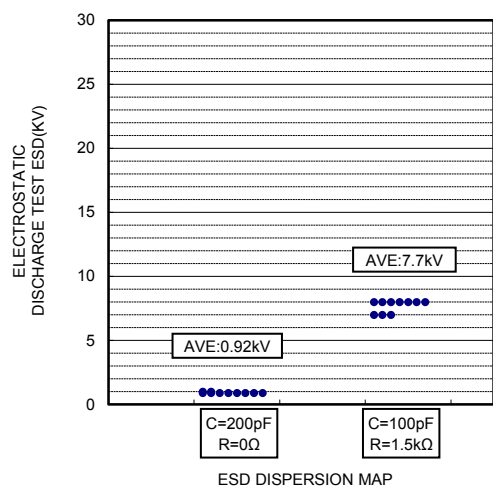
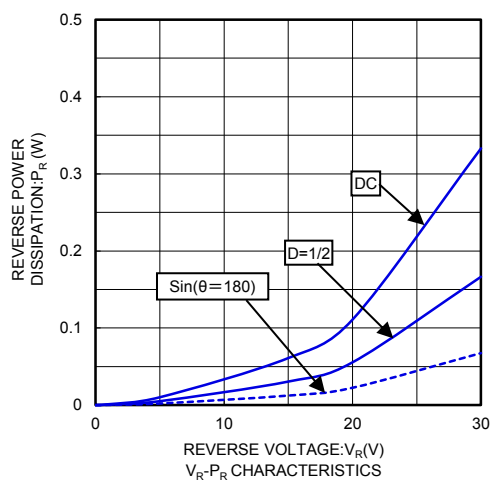
(\*1)(\*2)Rating of per diode

### ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.37	V	$I_F=10\text{mA}$
Reverse current	$I_R$	-	-	7	$\mu\text{A}$	$V_R=10\text{V}$



 $I_{FSM}$  DISPERSION MAP $t_{rr}$  DISPERSION MAP $I_{FSM}$  CYCLE CHARACTERISTICS $I_{FSM}$  t CHARACTERISTICS $R_{th}$  t CHARACTERISTICS $I_o$ -Pf CHARACTERISTICS



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