

# Schottky Barrier Diode

RB521ZS8A30

## ● Applications

Rectifying small power

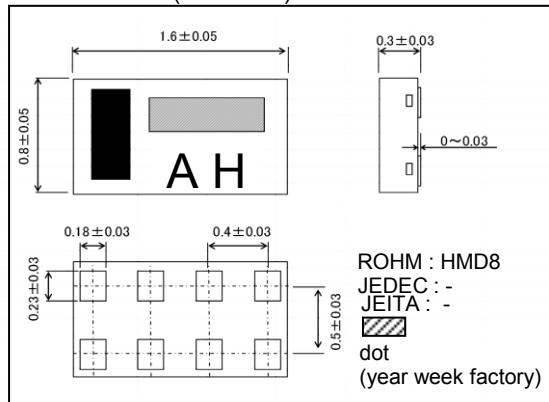
## ● Features

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

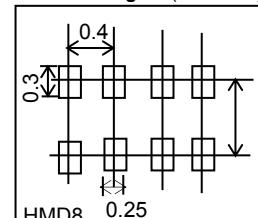
## ● Construction

Silicon epitaxial planer

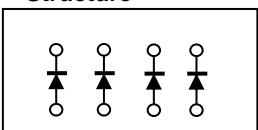
## ● Dimensions (Unit : mm)



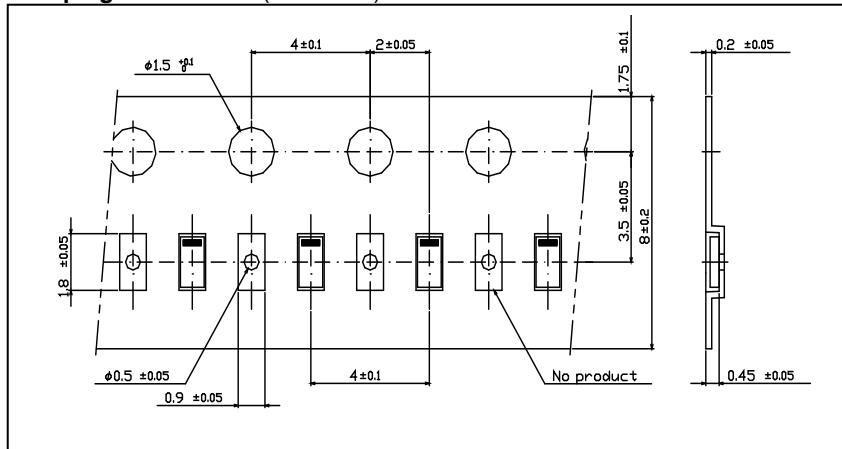
## ● Land size figure (Unit : mm)



## ● Structure



## ● Taping dimensions (Unit : mm)



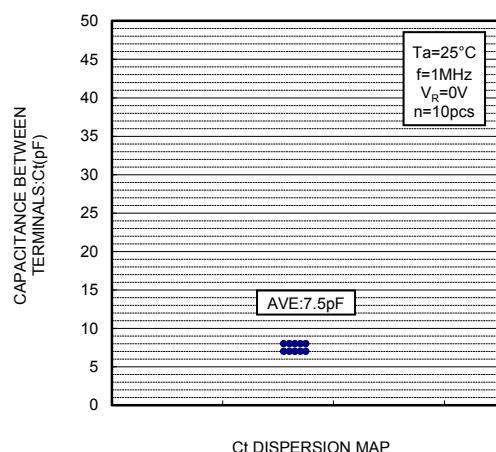
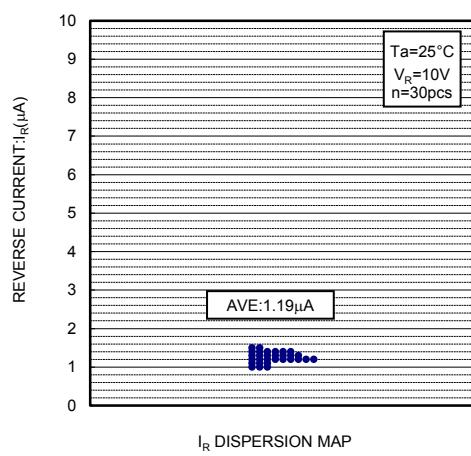
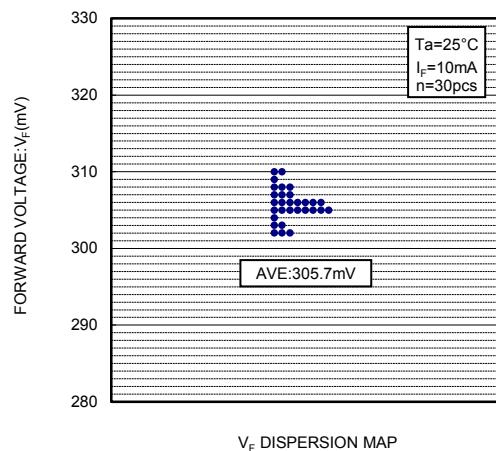
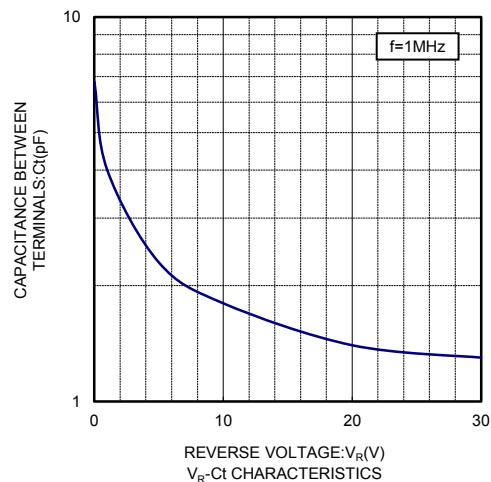
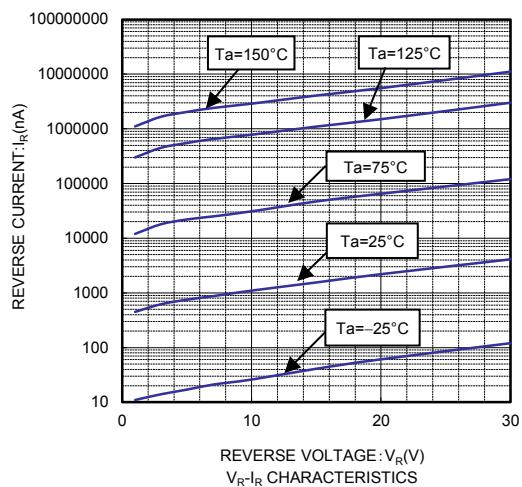
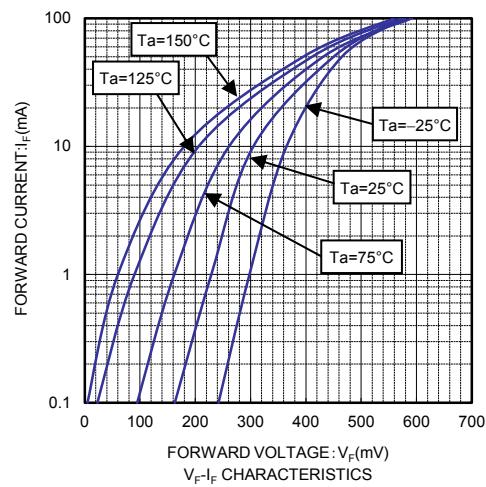
## ● Absolute maximum ratings (Ta=25°C)

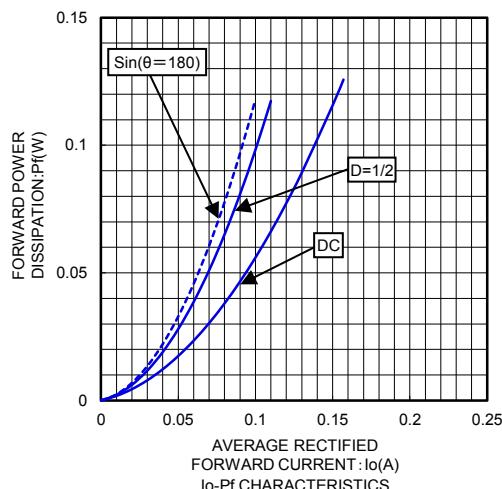
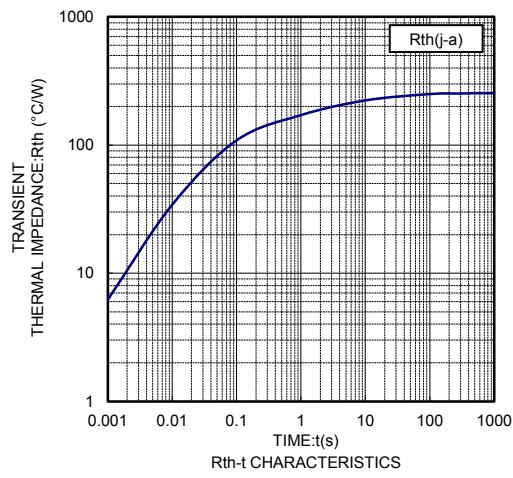
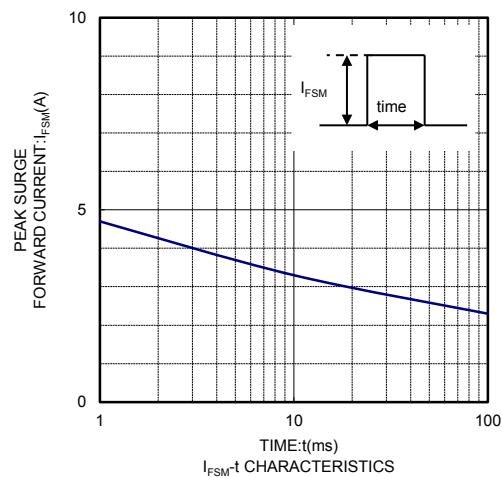
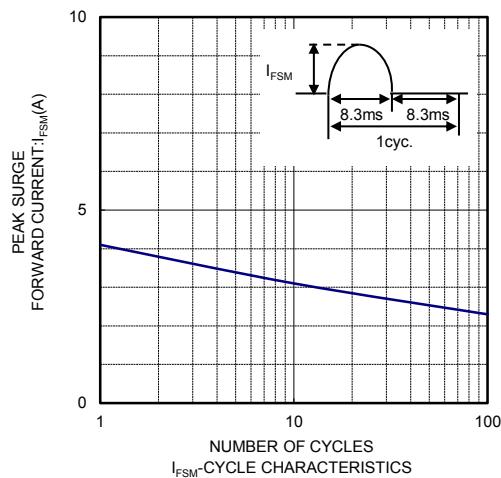
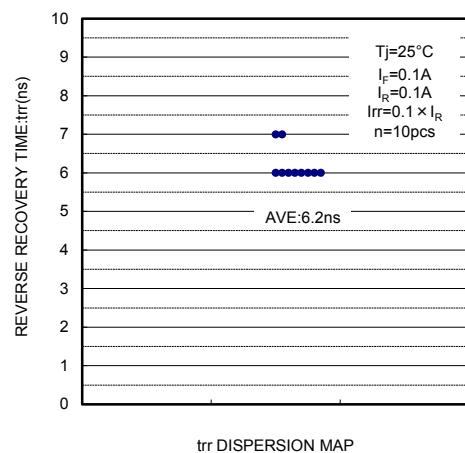
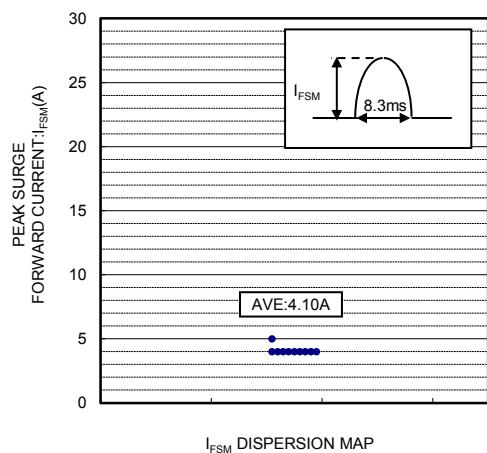
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V <sub>R</sub>	30	V
Average rectified forward current (*1)	I <sub>o</sub>	100	mA
Forward current surge peak (60Hz·1cyc.) (*2)	I <sub>FSM</sub>	500	mA
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C
Power dissipation	P <sub>d</sub>	400	mW/Total

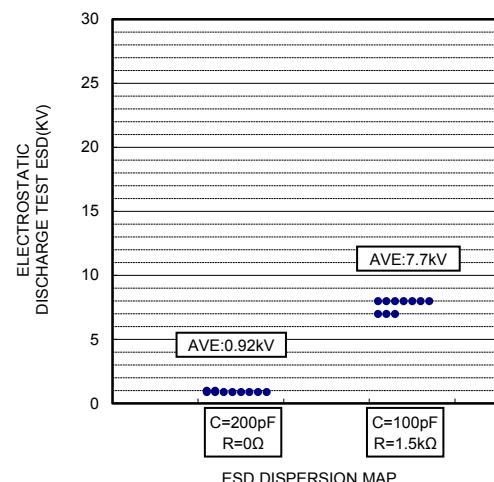
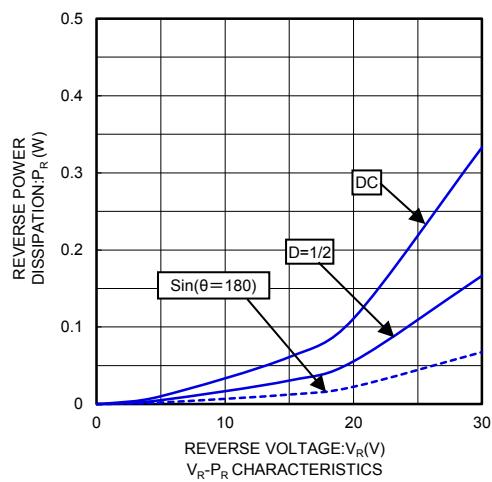
(\*1)(\*2)Rating of per diode

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	0.37	V	I <sub>F</sub> =10mA
Reverse current	I <sub>R</sub>	-	-	7	µA	V <sub>R</sub> =10V







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