

Schottky Barrier Diode

RBE2EA20A

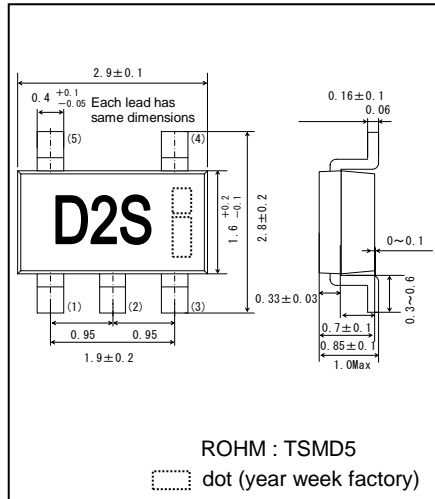
● **Applications**

Low current rectification

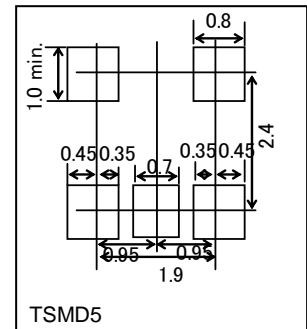
● **Features**

- 1) Small mold type.(TSM5)
- 2) High reliability

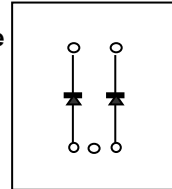
● **Dimensions (Unit : mm)**



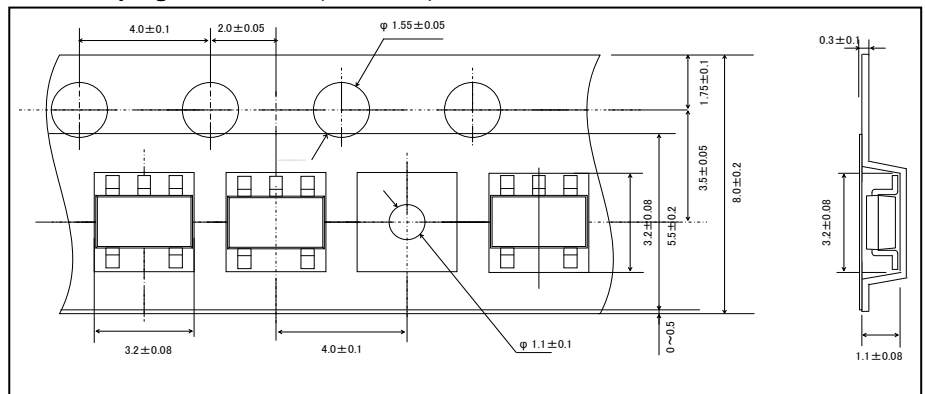
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**



● **Absolute maximum ratings (Tc=25°C)**

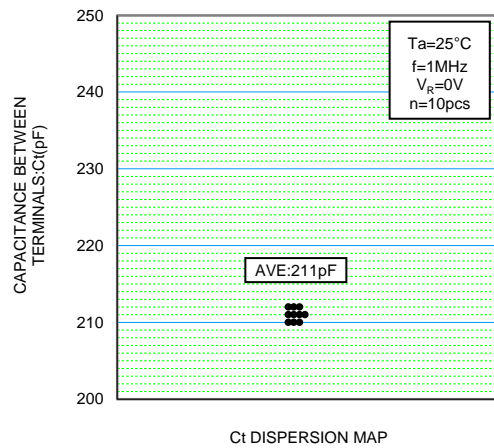
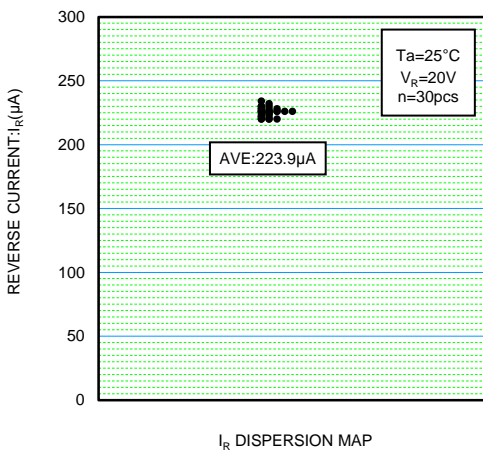
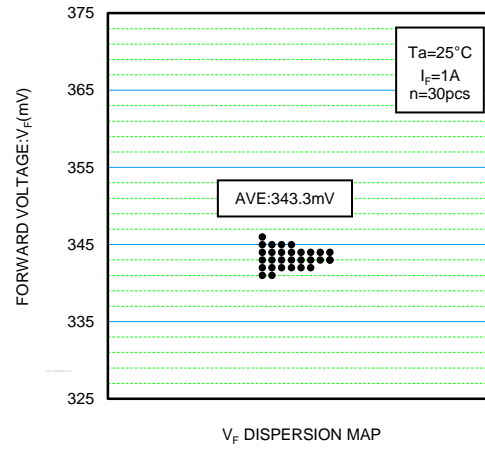
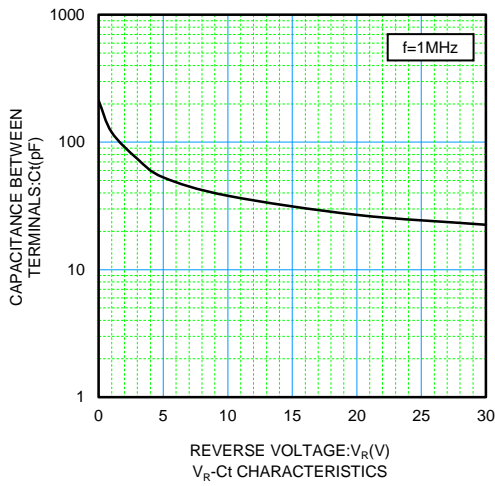
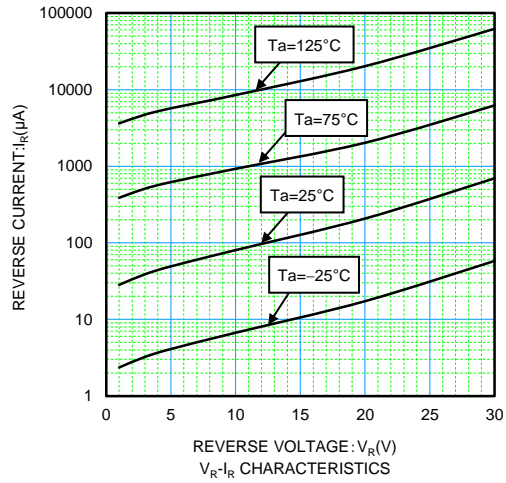
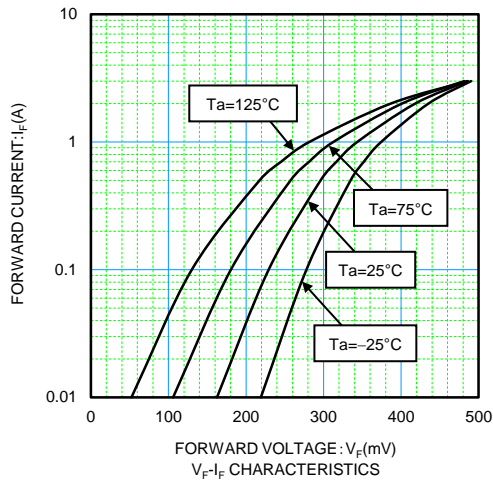
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	30	V
Reverse voltage (DC)	V_R	20	V
Average rectified forward current (*1)	I_o	2	A
Forward current surge peak (60Hz · 1cyc)(*2)	I_{FSM}	5	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

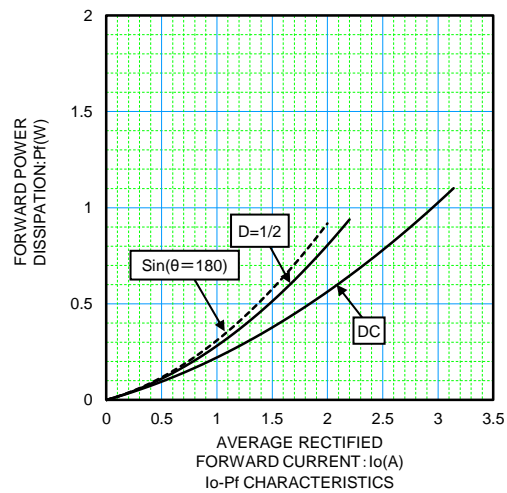
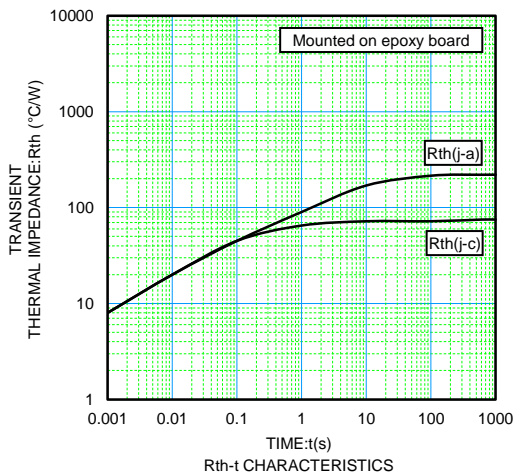
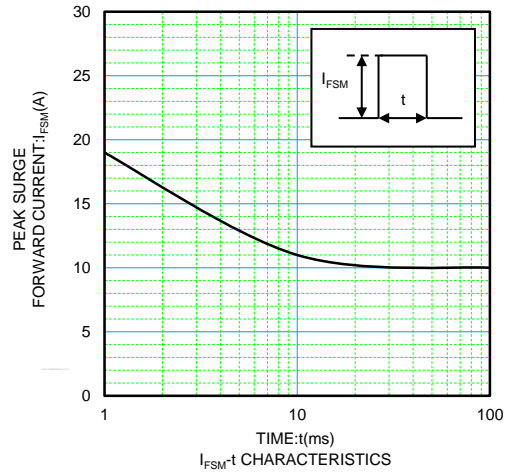
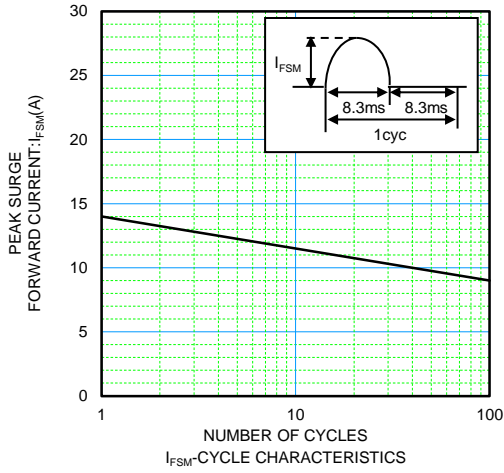
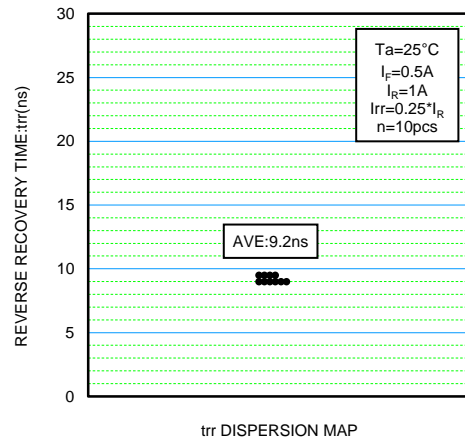
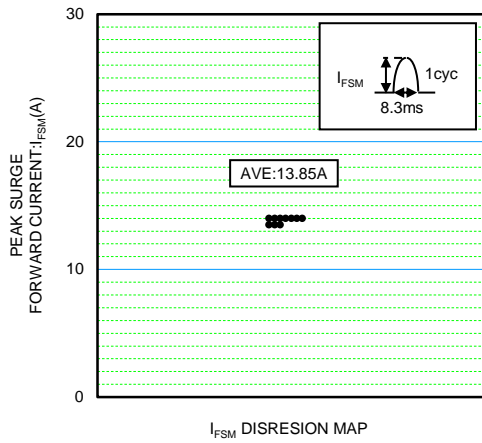
(*1) Business frequencies, Rating of per diode : $I_o/2$

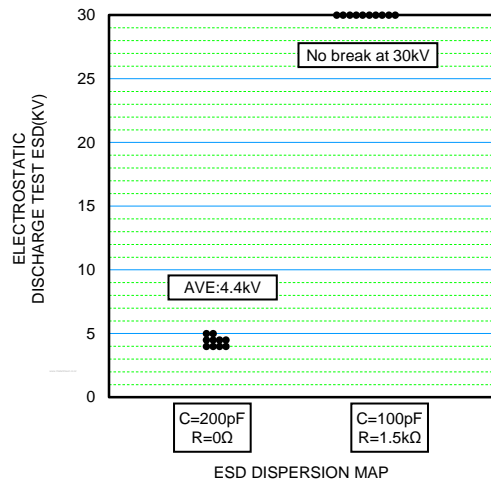
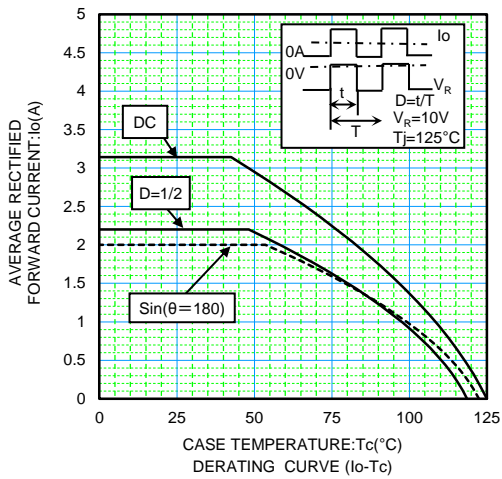
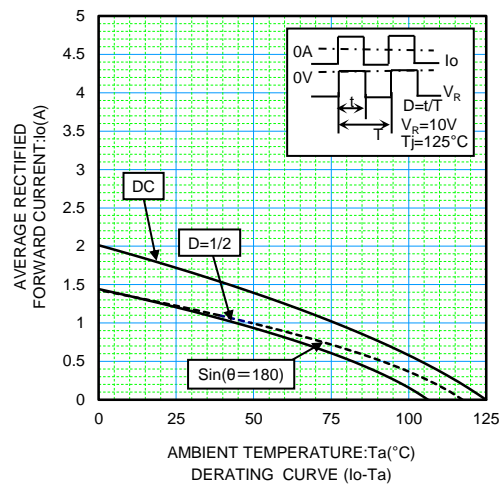
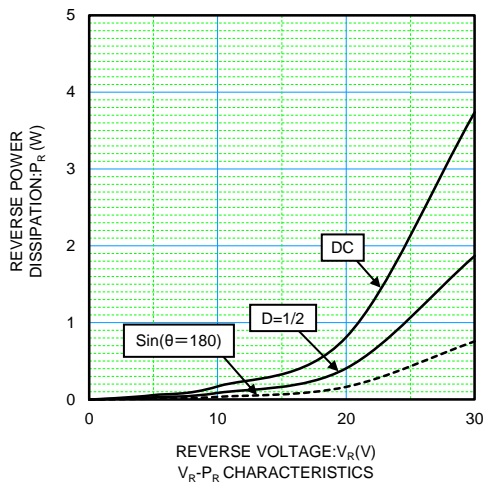
(*2) Rating of per diode

● **Electrical characteristics (Tj=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.39	V	$I_F=1A$
Reverse current	I_R	-	-	700	μA	$V_R=20V$







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