

Schottky Barrier Diode

RBE2VA20A

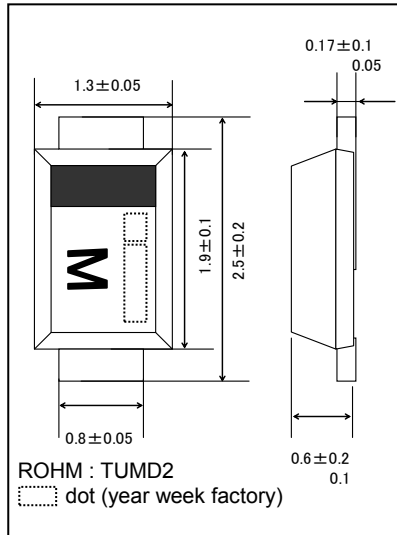
● **Applications**

Rectifying Small Power

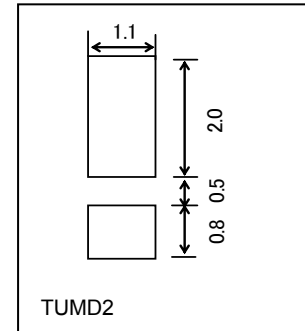
● **Features**

- 1) Small Power Mold Type (TUMD2)
- 2) High reliability

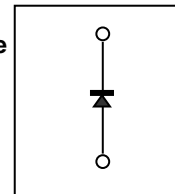
● **Dimensions (Unit : mm)**



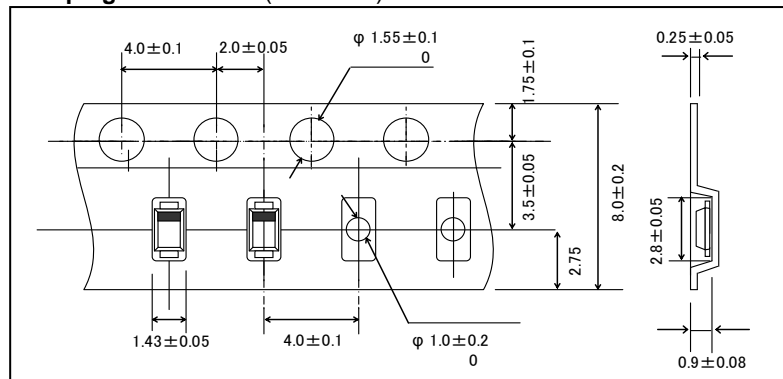
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**

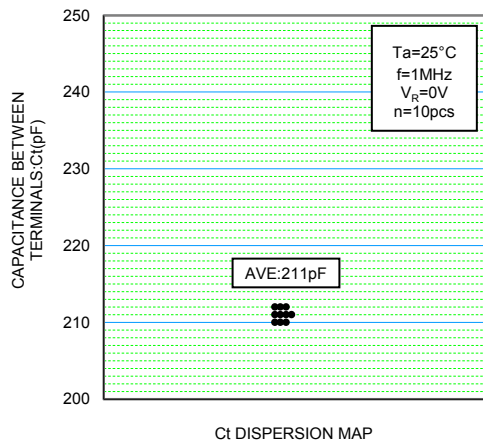
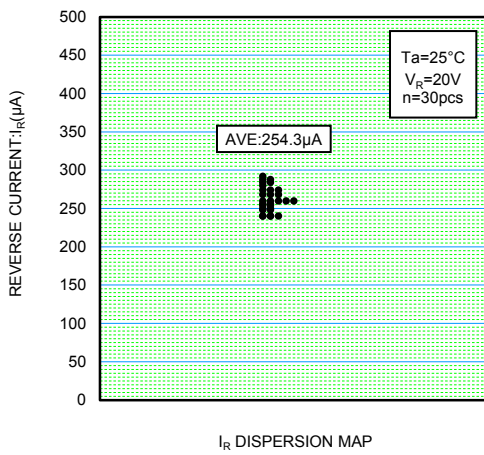
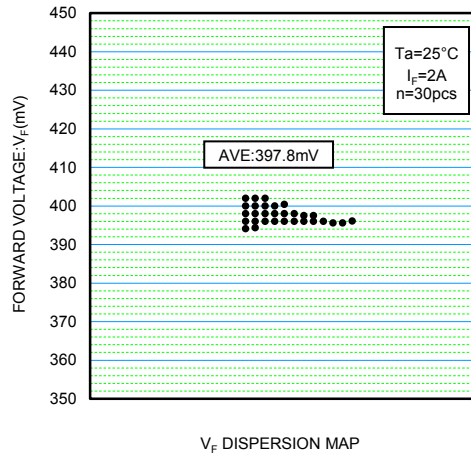
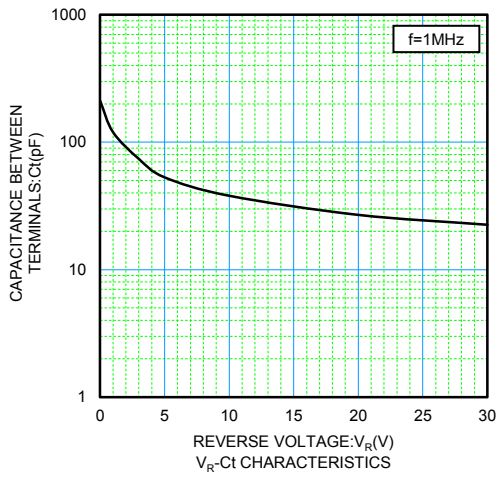
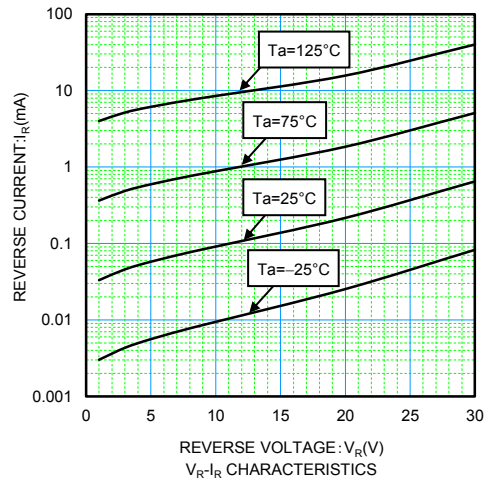
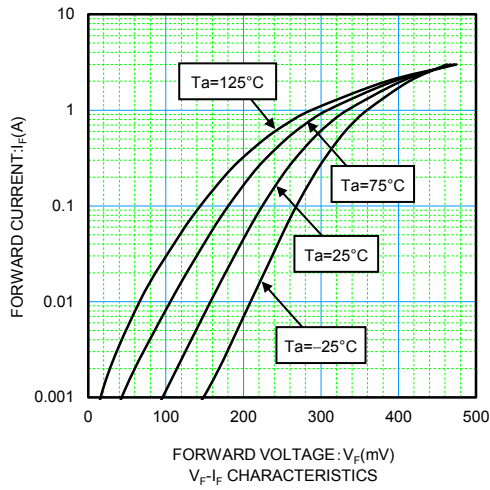


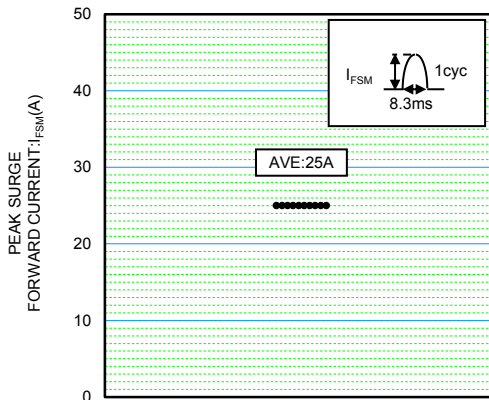
● **Absolute maximum ratings (Tc=25°C)**

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

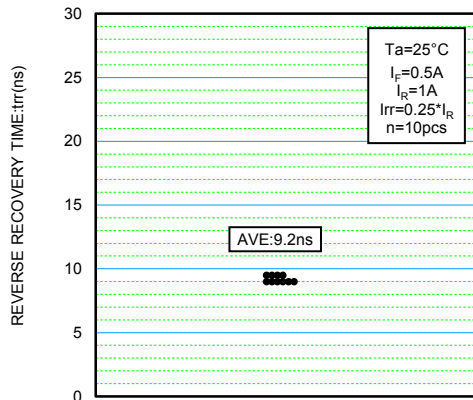
● **Electrical characteristics (Tj=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	-	0.39	V	$I_F=1A$
	V_{F2}	-	-	0.46	V	$I_F=2A$
Reverse current	I_R	-	-	700	μA	$V_R=20V$

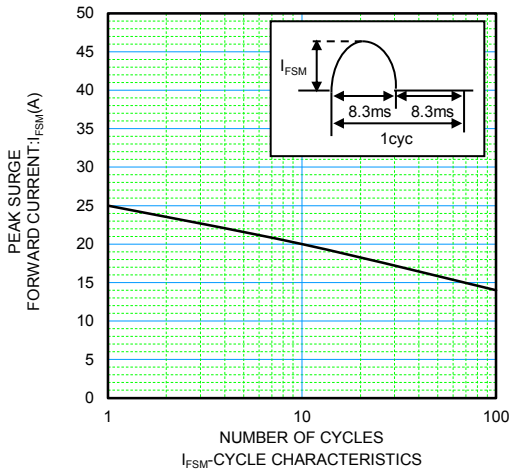




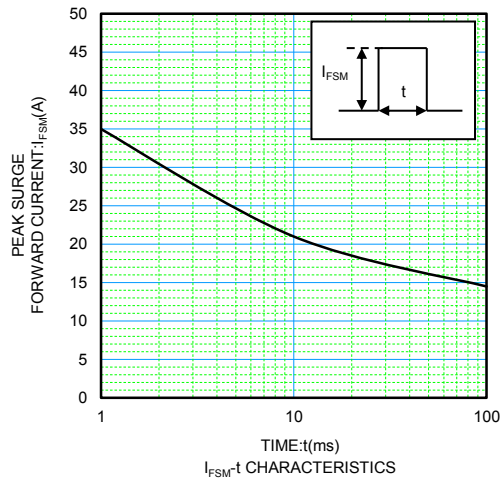
I_{FSM} DISRESION MAP



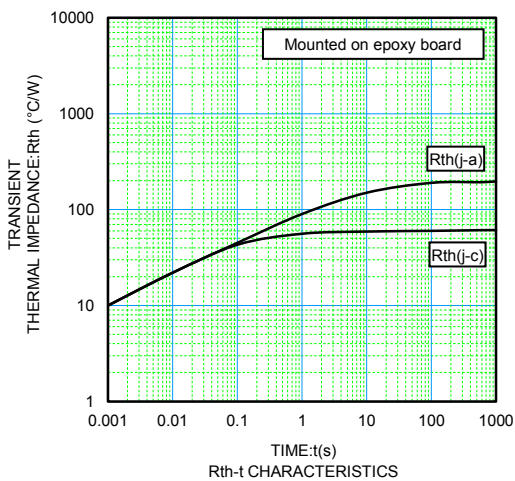
t_{rr} DISPERSION MAP



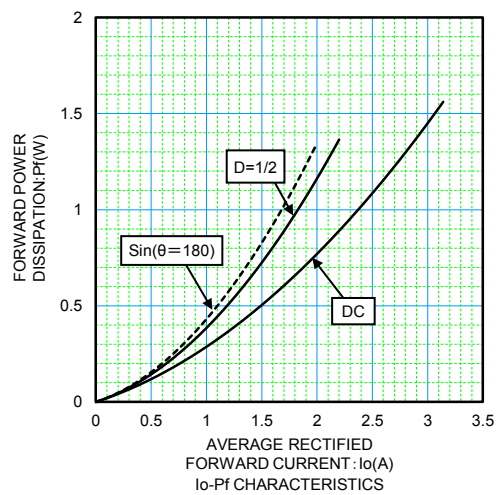
I_{FSM} CYCLE CHARACTERISTICS



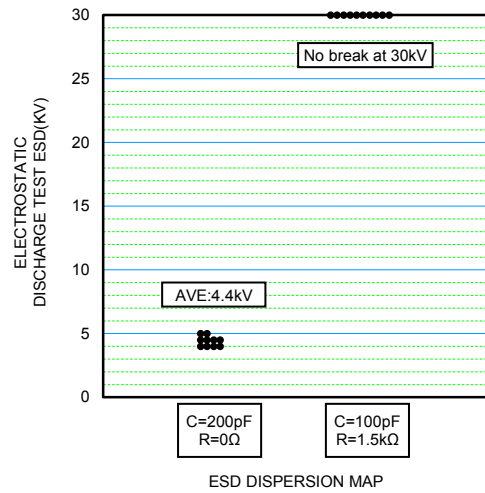
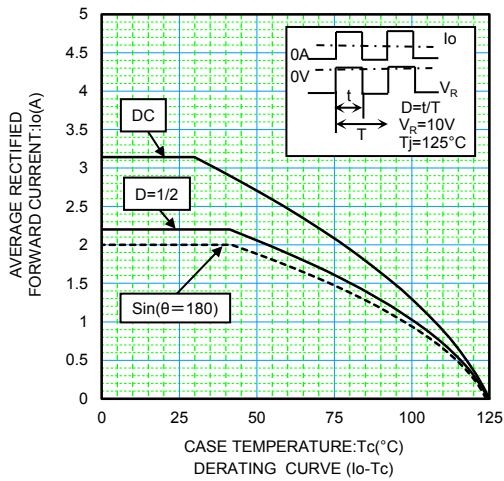
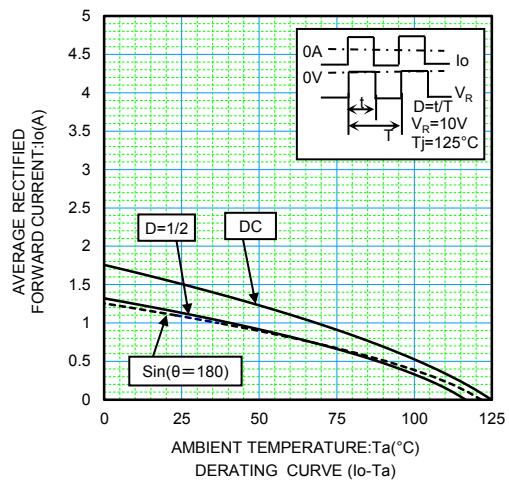
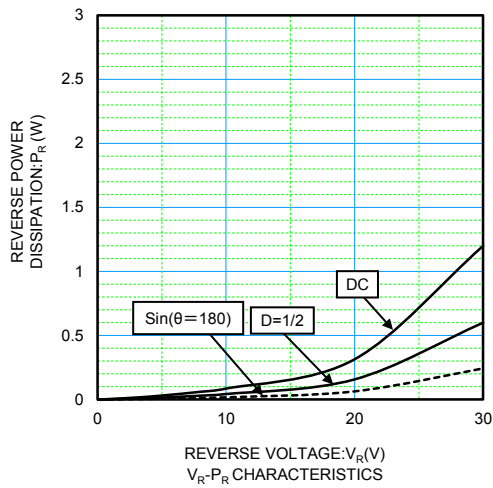
$I_{FSM} \cdot t$ CHARACTERISTICS



R_{th-t} CHARACTERISTICS



I_o - P_f CHARACTERISTICS



Notes

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