

Schottky Barrier Diode

RB530VM-30

● **Applications**

General rectification

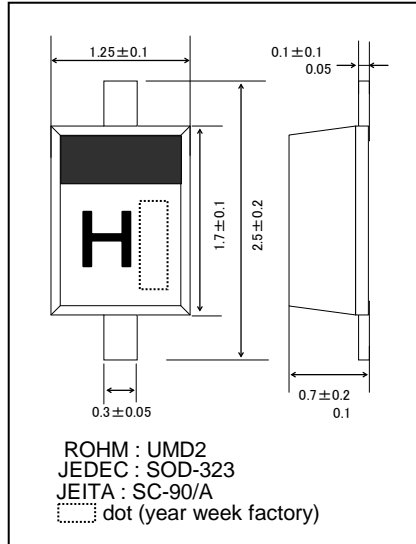
● **Features**

- 1) Ultra small mold type. (UMD2)
- 2) High reliability

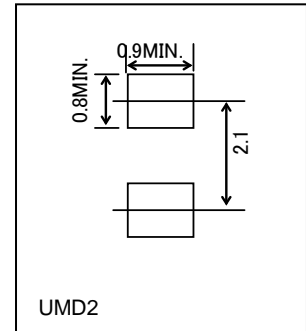
● **Construction**

Silicon epitaxial planer

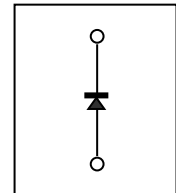
● **Dimensions (Unit : mm)**



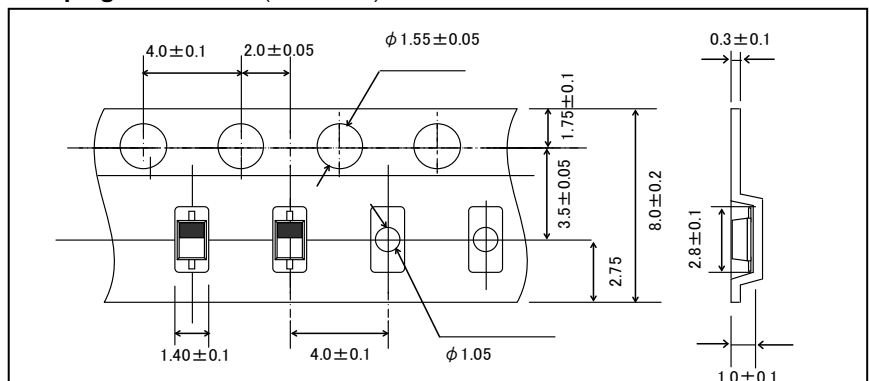
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**

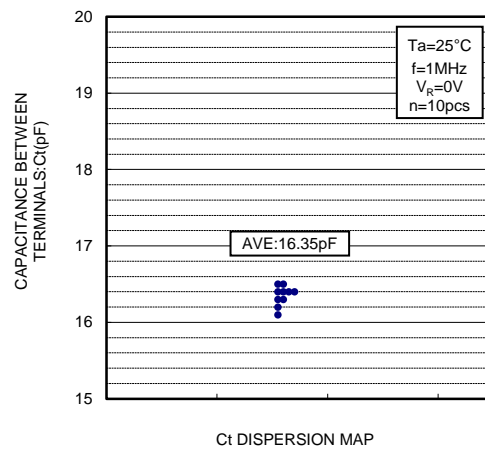
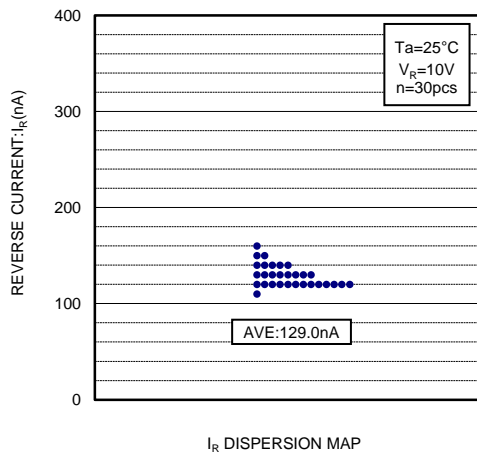
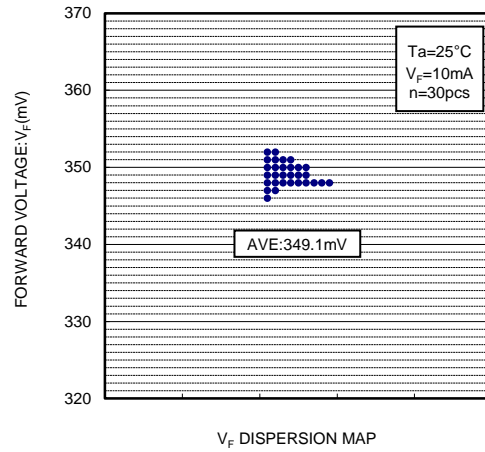
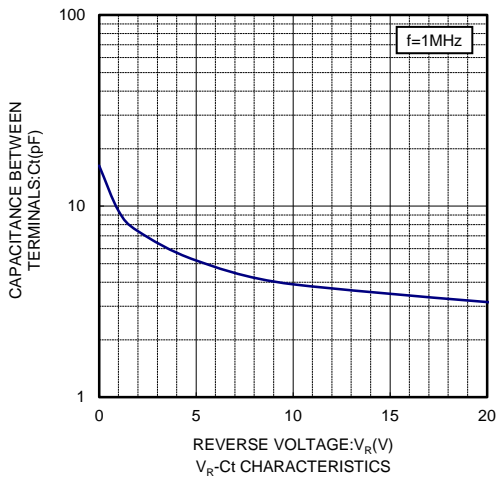
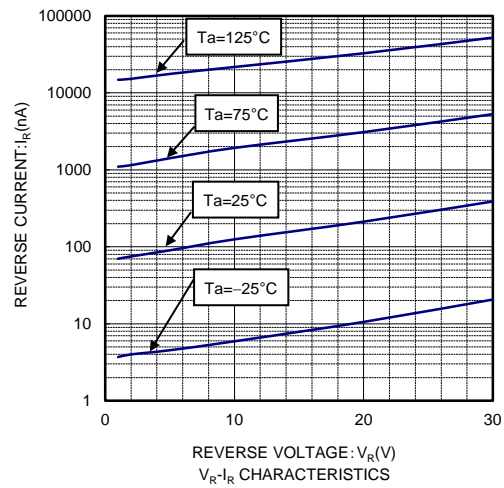
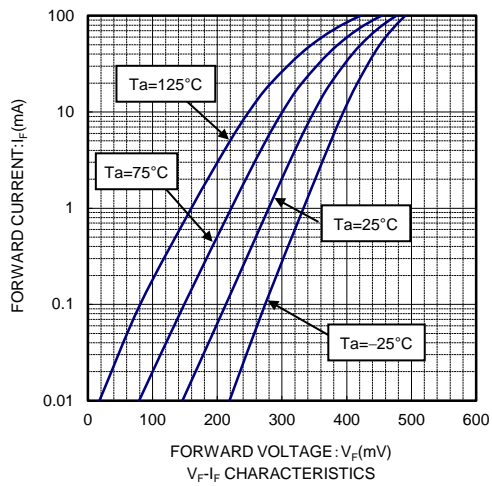


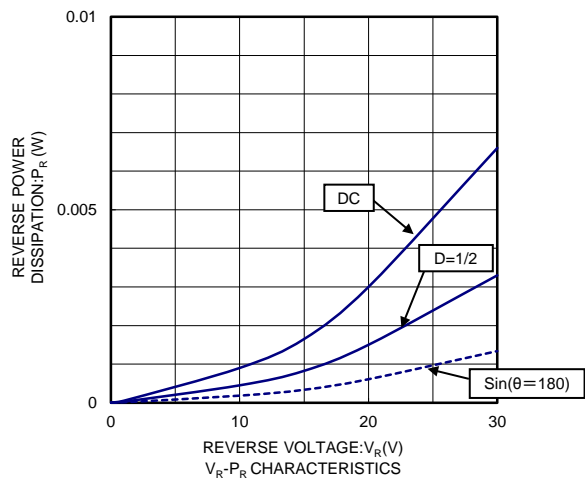
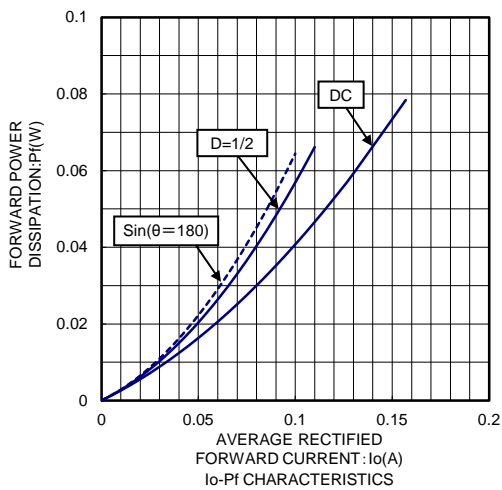
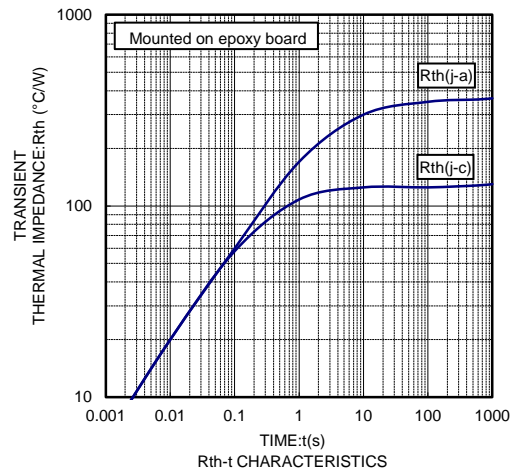
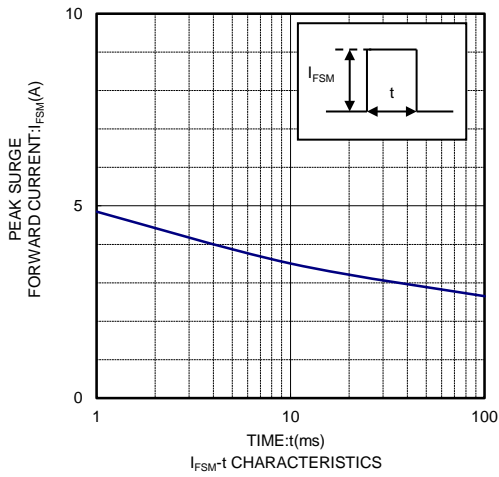
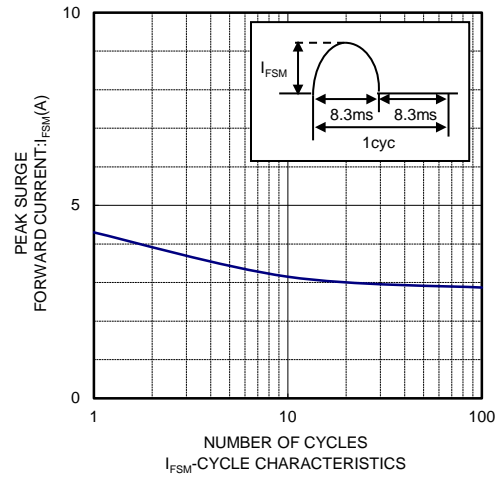
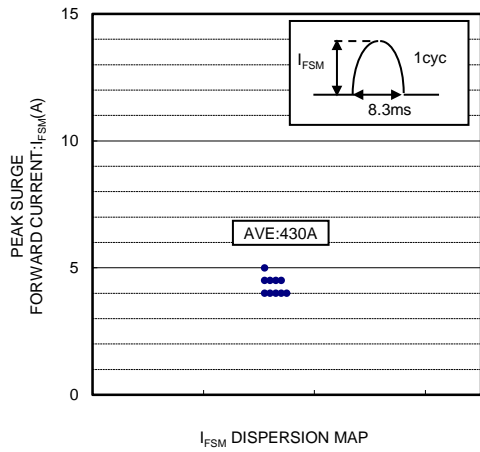
● **Absolute maximum ratings (Ta=25°C)**

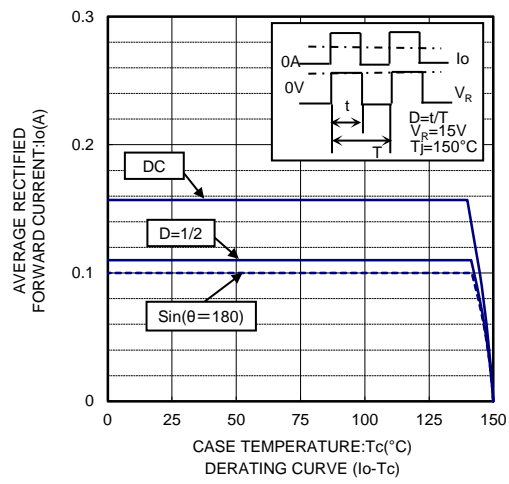
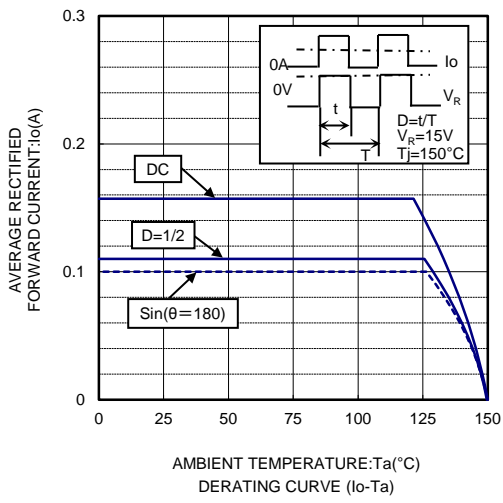
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	30	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	100	mA
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	500	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	- 40 to +150	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.45	V	$I_F=10mA$
Reverse current	I_R	-	-	0.5	μA	$V_R=10V$







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