

Schottky Barrier Diode

RB481Y
●Applications

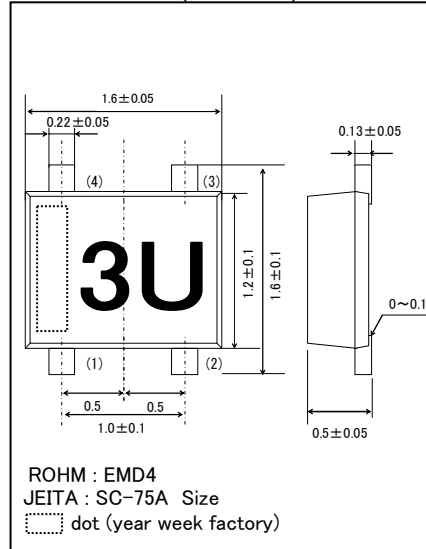
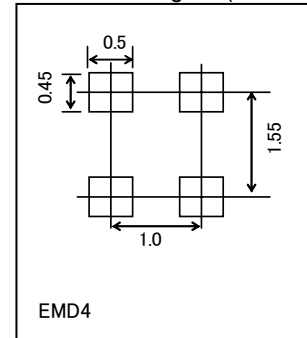
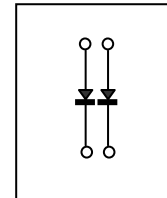
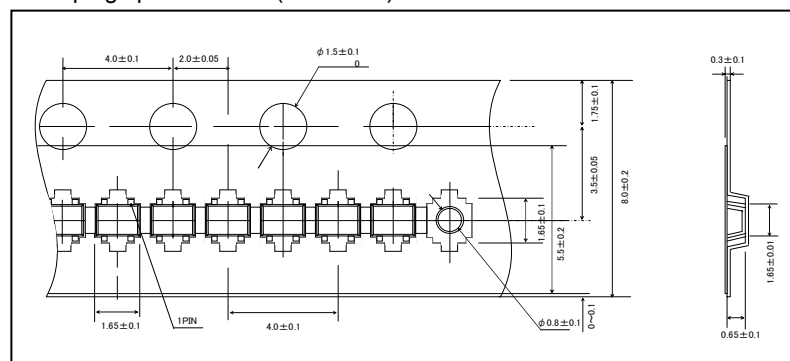
Low current rectification

●Features

- 1) Ultra small mold type. (EMD4)
- 2) Low VF
- 3) High reliability

●Construction

Silicon epitaxial planar

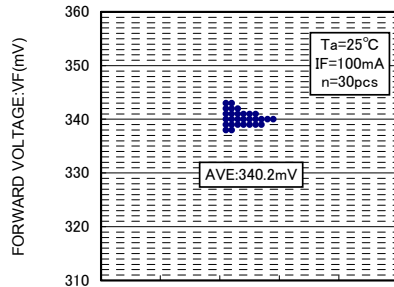
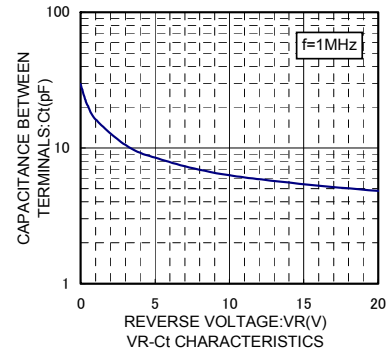
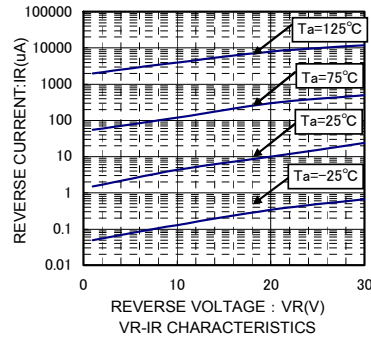
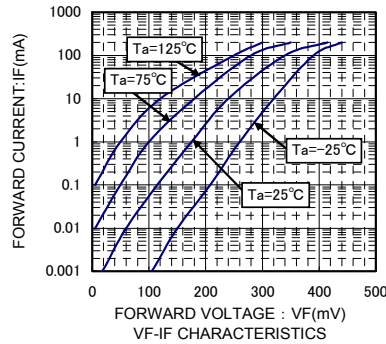
●Dimensions (Unit : mm)

●Land size figure (Unit : mm)

●Structure

●Taping specifications (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) (*1)	I_{FSM}	1	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

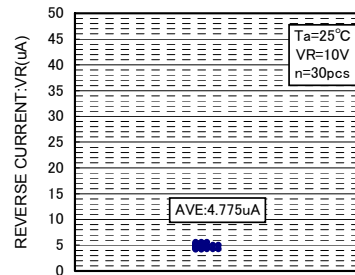
(*1) Rating of per diode

●Electrical characteristics (Ta=25°C)

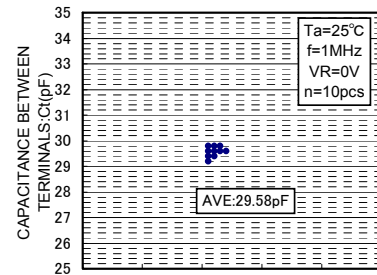
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	0.17	0.28	V	$I_F=1mA$
	V_{F2}	-	0.24	0.33	V	$I_F=10mA$
	V_{F3}	-	0.34	0.43	V	$I_F=100mA$
Reverse current	I_R	-	4	30	μA	$V_R=10V$



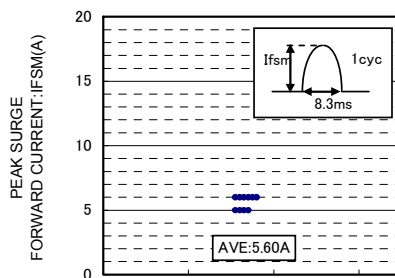
VF DISPERSION MAP



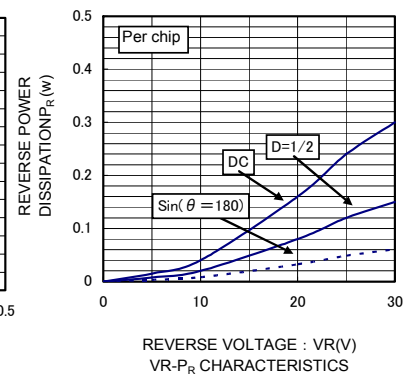
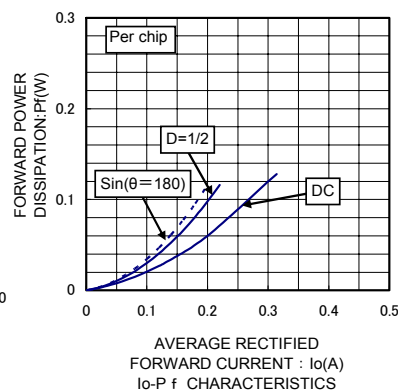
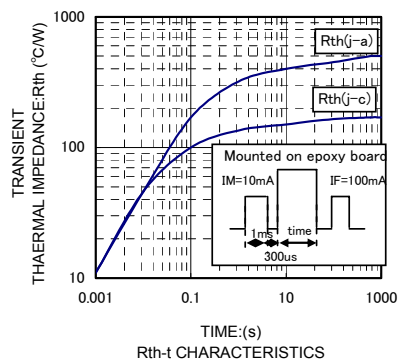
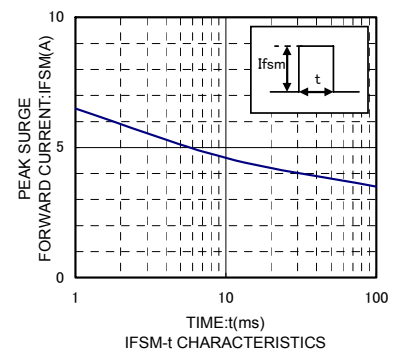
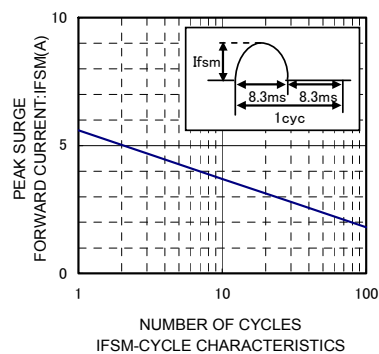
IR DISPERSION MAP

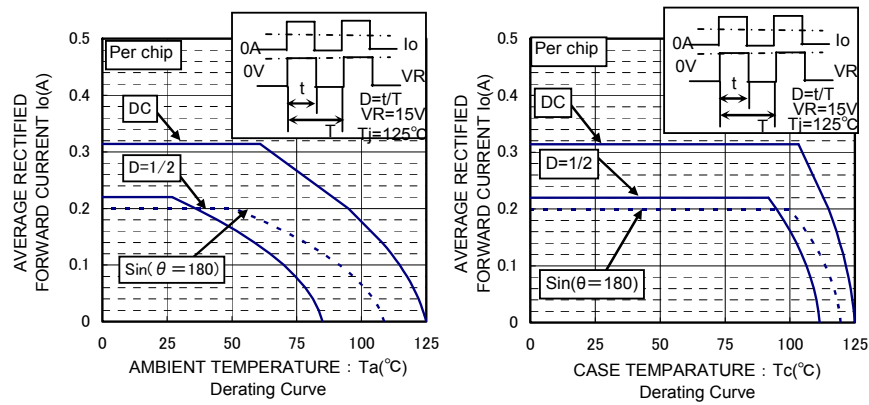


Ct DISPERSION MAP



IFSM DISPERSION MAP





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