

# Schottky barrier diode

## RB480Y

●Applications

Low current rectification

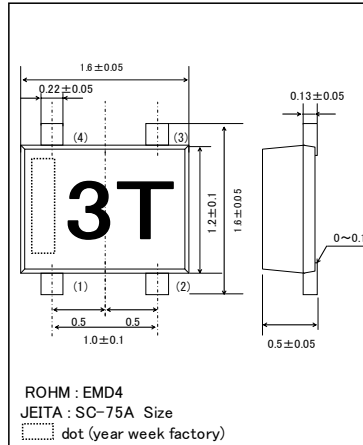
●Features

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

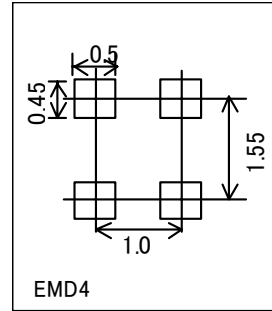
●Construction

Silicon epitaxial planar

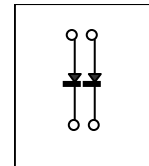
●Dimensions (Unit : mm)



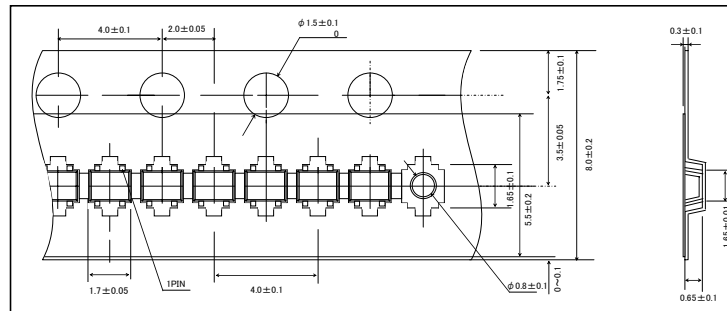
● Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage	$V_R$	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

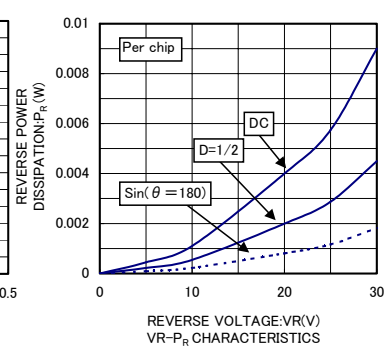
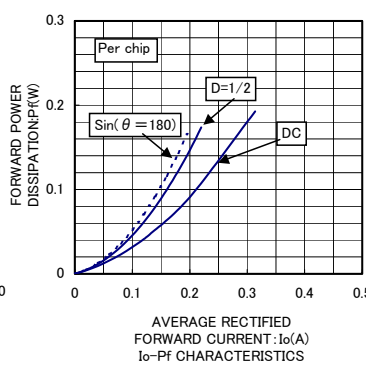
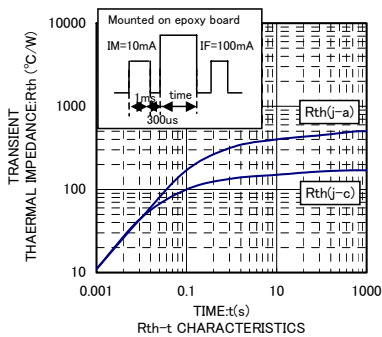
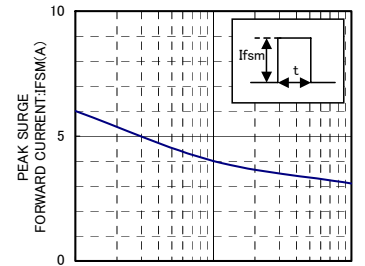
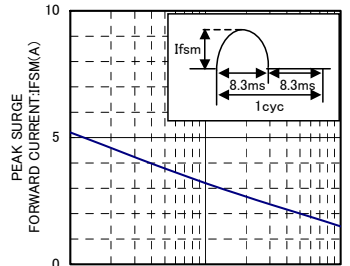
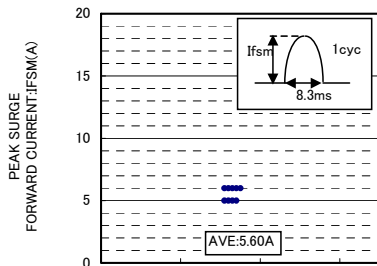
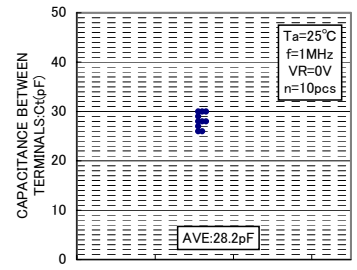
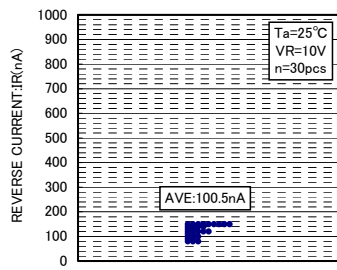
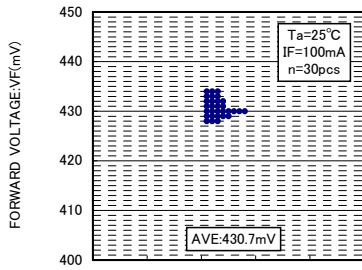
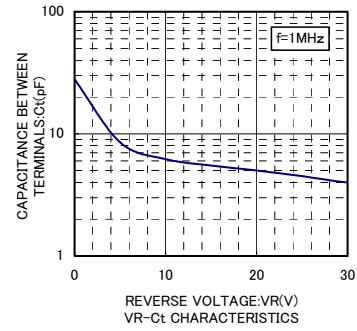
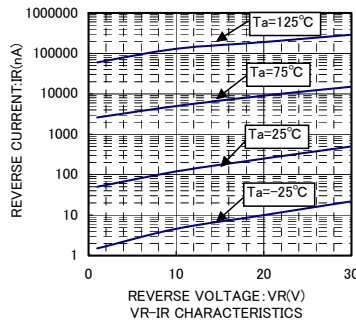
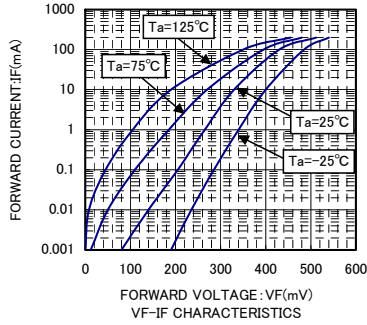
(\*1) Rating of per diode

●Electrical characteristics (Ta=25°C)

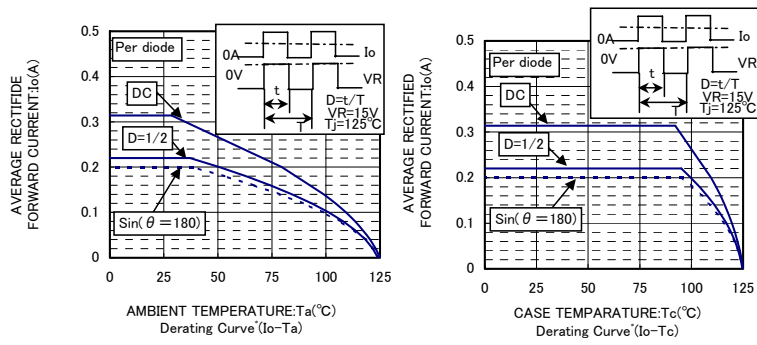
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	-	0.38	V	$I_F=1mA$
	$V_{F2}$	-	-	0.43	V	$I_F=10mA$
	$V_{F3}$	-	-	0.53	V	$I_F=100mA$
Reverse current	$I_R$	-	-	1	μA	$V_R=10V$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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