Schottky barrier diode RB557W

Applications

General rectification

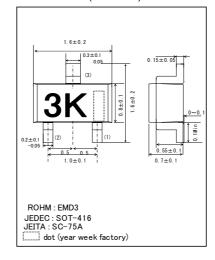
● Features

- 1) Ultra small mold type. (EMD3)
- 2) Low V_F
- 3) High reliability

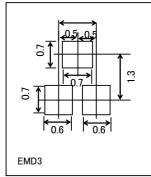
Construction

Silicon epitaxial planar

●Dimensions (Unit: mm)



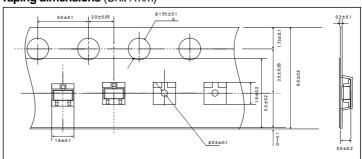
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit:mm)



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit			
Reverse voltage (DC)	V_R	30	V			
Average rectified forward current (*1)	lo	100	mA			
Forward current surge peak (60Hz·1cyc)(*1)	I _{FSM}	500	mA			
Junction temperature	Tj	125	°C			
Storage temperature	Tstg	-40 to +125	°C			

^(*1) Rating of per diode

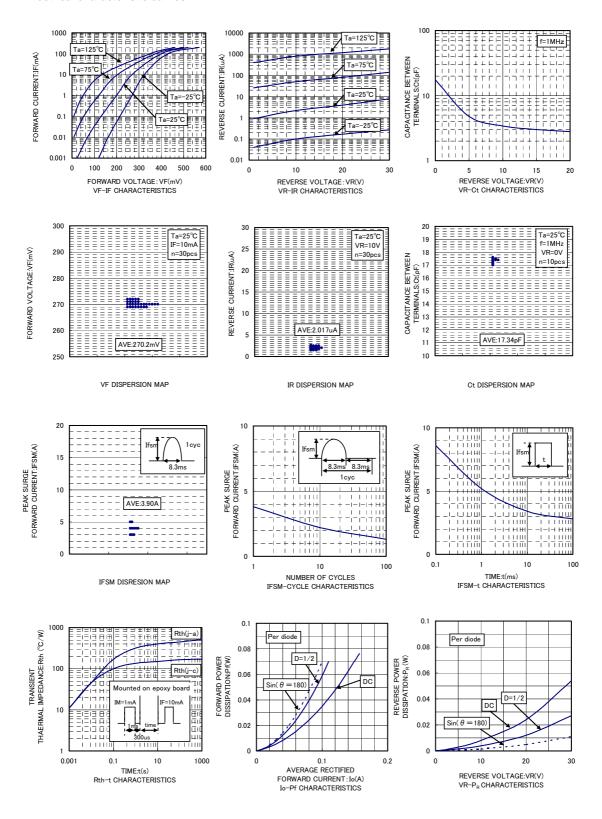
●Electrical characteristic (Ta=25°C)

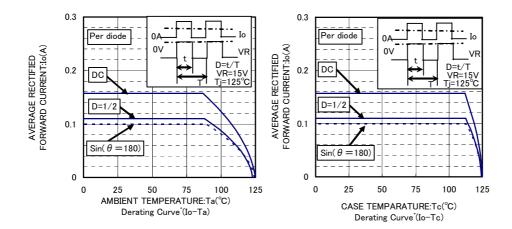
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}1$	-	-	0.35	V	I _F =10mA
	V _F 2	-	-	0.49	V	I _F =100mA
Reverse current	I_R	-	-	10	μΑ	V _R =10V

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Electrical characteristic curves





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