Schottky barrier diode RB558W

Applications

Low current rectification

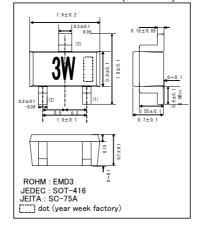
● Features

- Ultra Small power mold type. (EMD3)
- 2) Low V_F
- 3) High reliability.

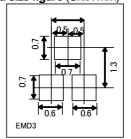
Construction

Silicon epitaxial planar

• External dimensions (Unit : mm)



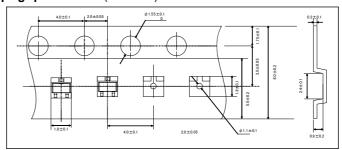
• Land size figure (Unit : mm)



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	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

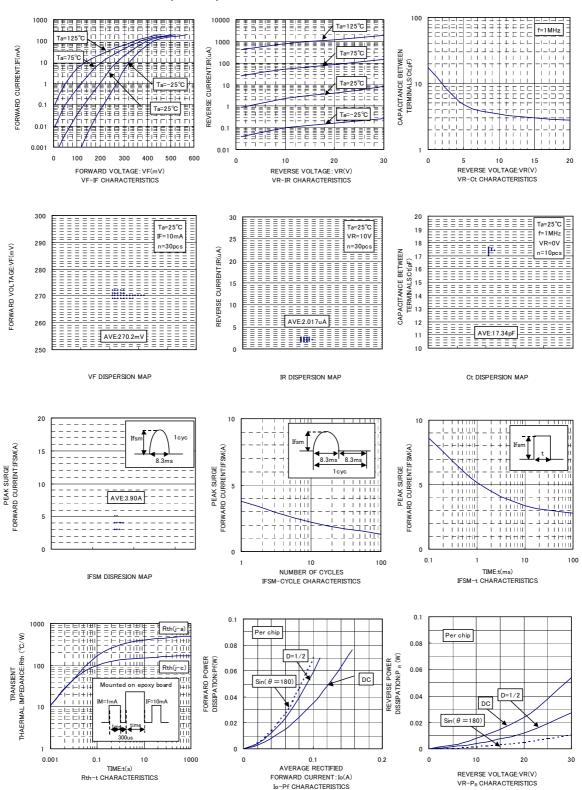
(*1)Per chip

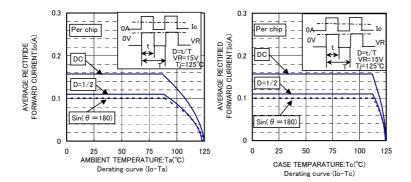
●Electrical characteristics (Ta=25°C)

Electrical characteristics (14–25 c)							
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions	
Forward voltage	V _F 1	1	-	0.35	V	I _F =10mA	
	V _F 2	1	1	0.49	V	I _F =100mA	
Reverse current	I _R	-	-	10	μΑ	V _R =10V	



●Electrical characteristic curves (Ta=25°C)





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