Schottky barrier diode RB558W

Applications

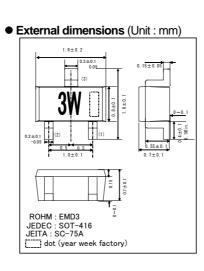
Low current rectification

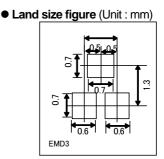
Features

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

Construction

Silicon epitaxial planar

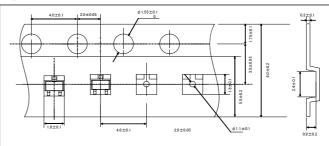








• Taping specifications (Unit : mm)



●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	С°	
Storage temperature	Tstg	-40 to +125	°C	

(*1)Per chip

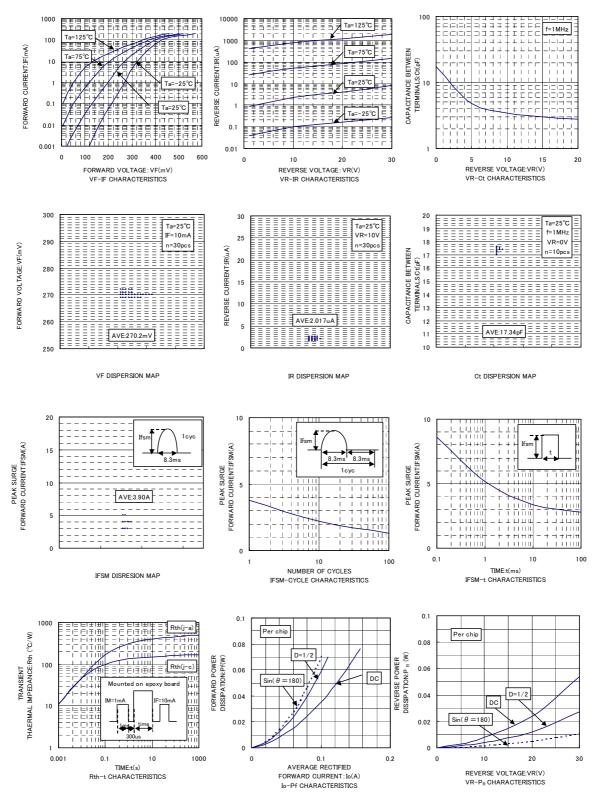
•Electrical characteristics (Ta=25°C)

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	μA	V _R =10V



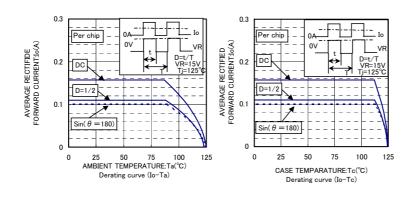
Diodes

Electrical characteristic curves (Ta=25°C)



ROHM

Diodes



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