# Schottky barrier diode RB558W

#### Applications

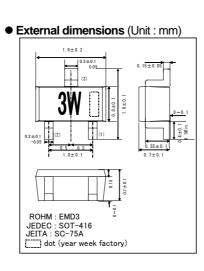
Low current rectification

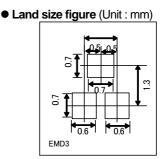
#### Features

- 1) Ultra Small power mold type. (EMD3)
- 2) Low V<sub>F</sub>
- High reliability.

# Construction

Silicon epitaxial planar

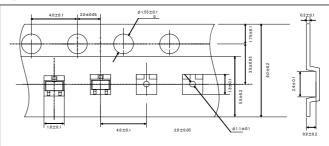








#### • Taping specifications (Unit : mm)



#### ●Absolute maximum ratings (Ta=25°C)

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

(\*1)Per chip

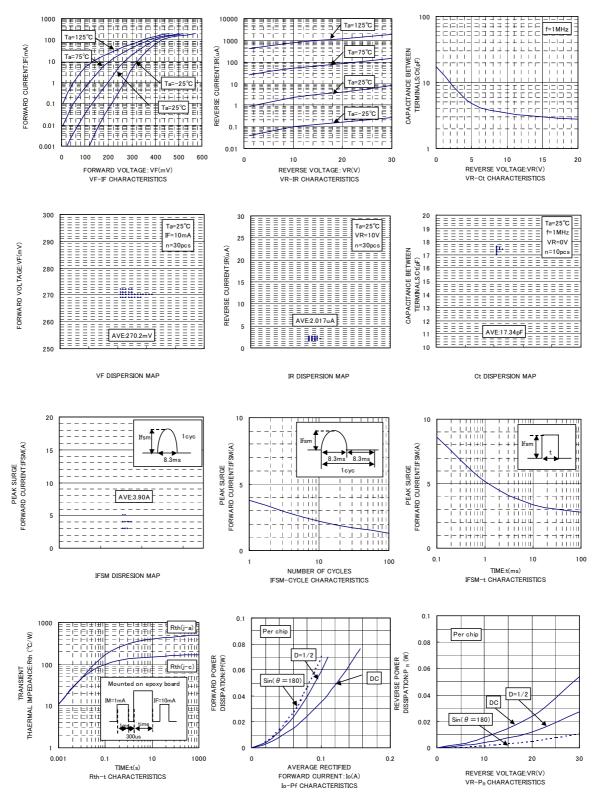
#### •Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub> 1	-	-	0.35	V	I <sub>F</sub> =10mA
	V <sub>F</sub> 2	-	-	0.49	V	I <sub>F</sub> =100mA
Reverse current	I <sub>R</sub>	-	-	10	μA	V <sub>R</sub> =10V



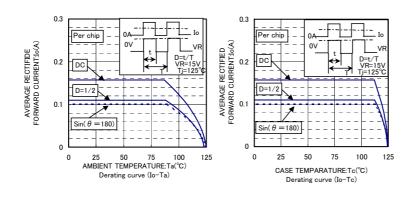
## Diodes

#### Electrical characteristic curves (Ta=25°C)



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# Diodes



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