Schottky barrier diode RB530XN

Applications

Low current rectification

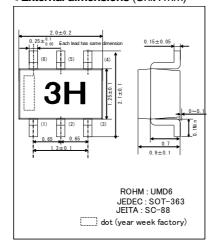
Features

- 1) Small mold type. (UMD6)
- 2) Low IR
- 3) High reliability.

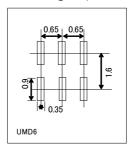
Construction

Silicon epitaxial planar

●External dimensions (Unit : mm)



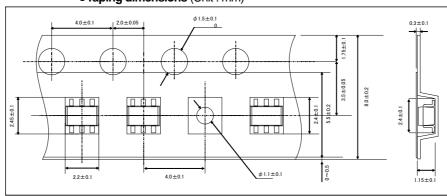
●Land size figure (Unit : mm)



Structure



●Taping dimensions (Unit : mm)



● Absolute maximum ratings (Ta=25°C)

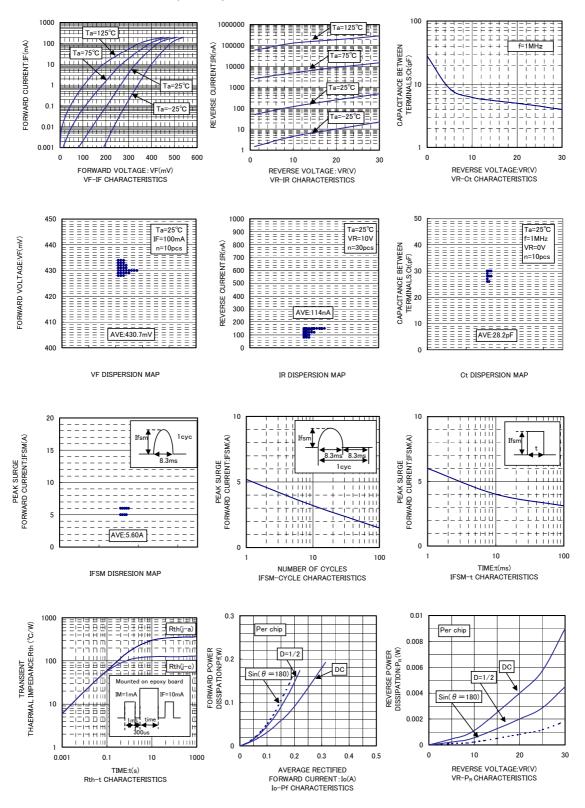
Parameter	Symbol	Limits	Unit
Reverse vltage	V_R	30	V
Average rectified forward current (*1)	lo	100	m A
Forward current surge peak (60Hz-1cyc) (*1)	I _{FSM}	1	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

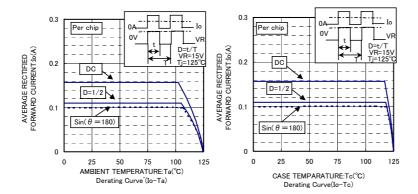
^(*1) Rating of per diode

●Electrical characteristics (Ta=25°C, per chip)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F 1	-	-	0.40	V	I _F =10mA
	V _F 2	-	-	0.53	V	I _F =100m A
Reverse current	I _R	-	-	1	μΑ	V _R =10V

●Electrical characteristic curves (Ta=25°C)





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