Schottky barrier diode RB551V-30

Applications

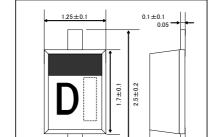
High frequency rectification

● Features

- 1) Small mold type. (UMD2)
- 2) Low VF.
- 3) High reliability.

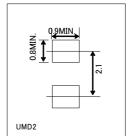
Construction

Silicon epitaxial planar



●External dimensions (Unit : mm)

●Land size figure (Unit : mm)



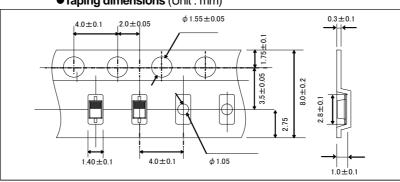
●Structure

○

A



ROHM : UMD2 JEDEC : SOD-323 JEITA : SC-90/Adot (year week factory)

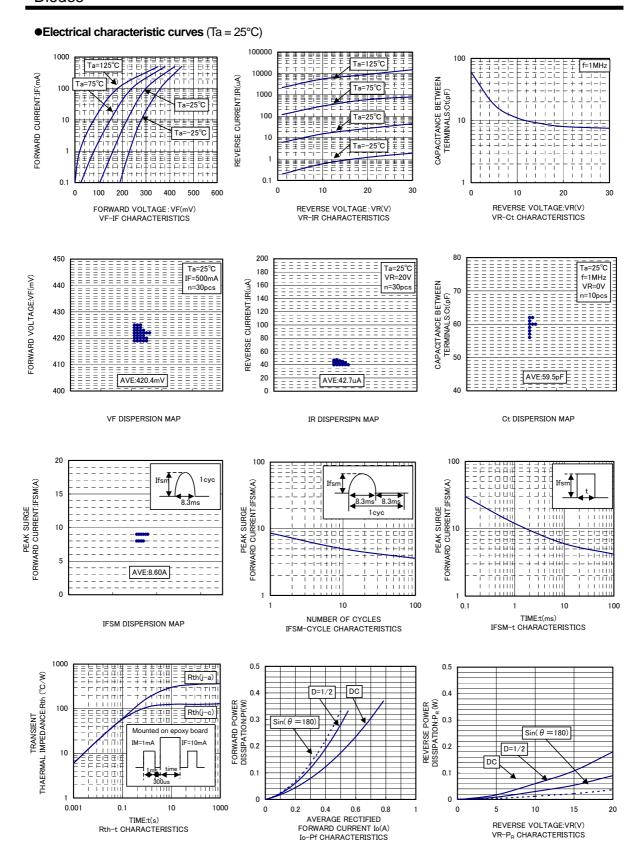


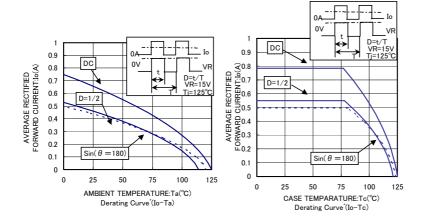
● Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	30	V
Reverse voltage (DC)	V_R	20	V
Average rectified forward current	lo	500	m A
Forward current surge peak (60Hz-1cyc)	I _{FSM}	2	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F 1	-	-	0.36	V	I _F =100m A
	V _F 2	-	-	0.47	V	I _F =500m A
Reverse current	I _R	-	-	100	μA	V _R =20V





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