# Schottky barrier diode RB551V-30

## Applications

High frequency rectification

# ● Features

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

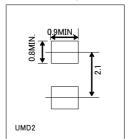
## Construction

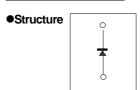
Silicon epitaxial planar

### D 0.1±0.1 0.05 0.1±0.1 0.2±0.7 1.2±0.7

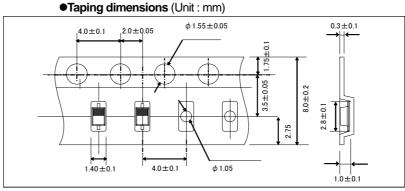
●External dimensions (Unit : mm)

# ●Land size figure (Unit : mm)





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

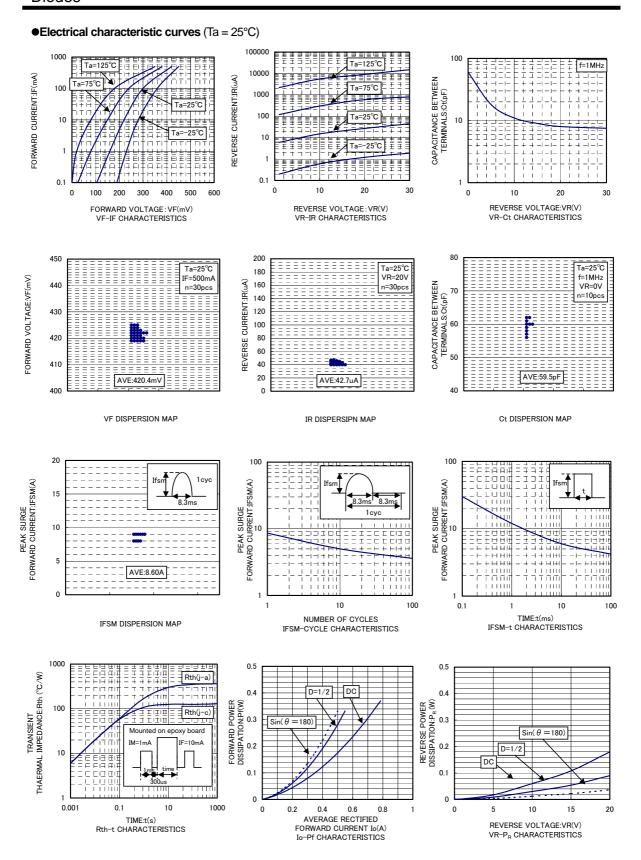


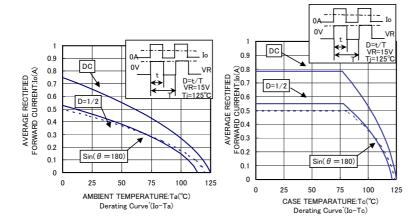
# ● Absolute maximum ratings (Ta = 25°C)

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 <sub>FSM</sub>	2	А
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 <sub>F</sub> 1	-	-	0.36	V	$I_F=100 m A$
	V <sub>F</sub> 2	-	-	0.47	V	I <sub>F</sub> =500m A
Reverse current	I <sub>R</sub>	-	-	100	μA	V <sub>R</sub> =20V





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