# Schottky Barrier Diode

RB551V-30

### Datasheet

# Application

ROHM

High frequency rectification

# Features

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

Construction

Silicon epitaxial planar

## •Dimensions (Unit : mm)

1.25±0.1

 $0.3 \pm 0.05$ 

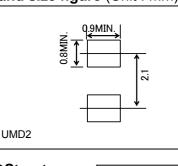
 $0.1 \pm 0.1$ 

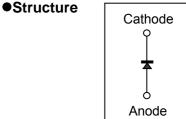
1.7 ±0.1 2.5 ±0.2 0.05

0.7±0.2

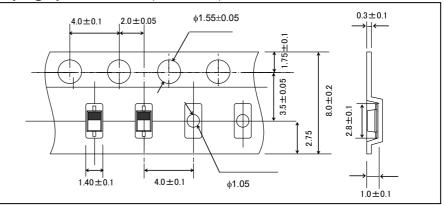
0.1

•Land size figure (Unit : mm)





# •Taping specifications (Unit : mm)

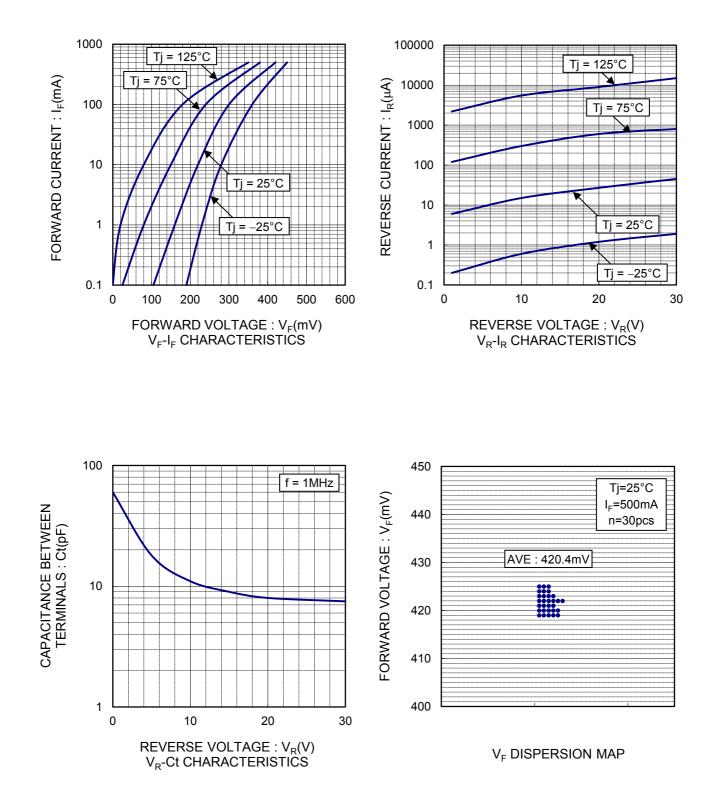


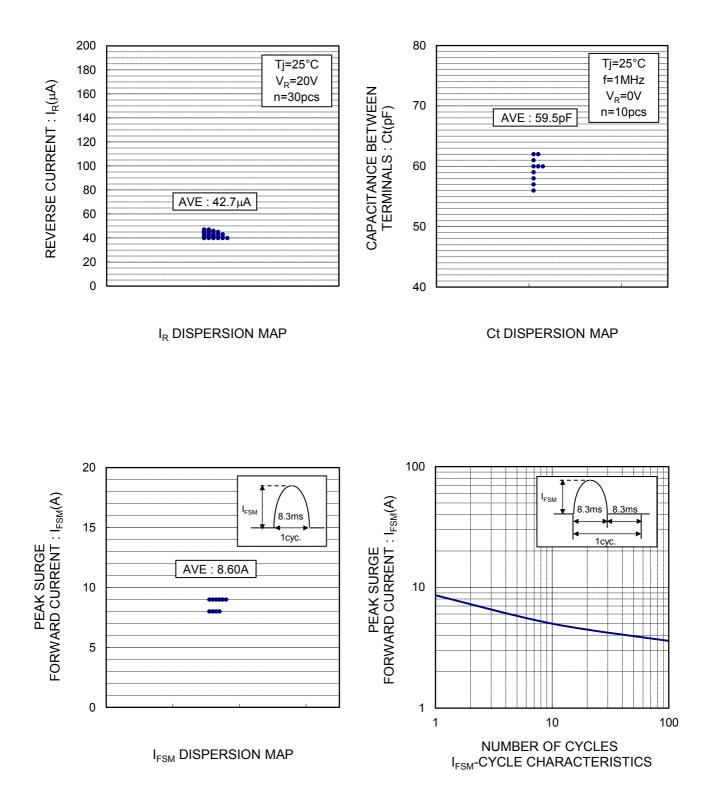
#### ●Absolute maximum ratings (Ta= 25°C)

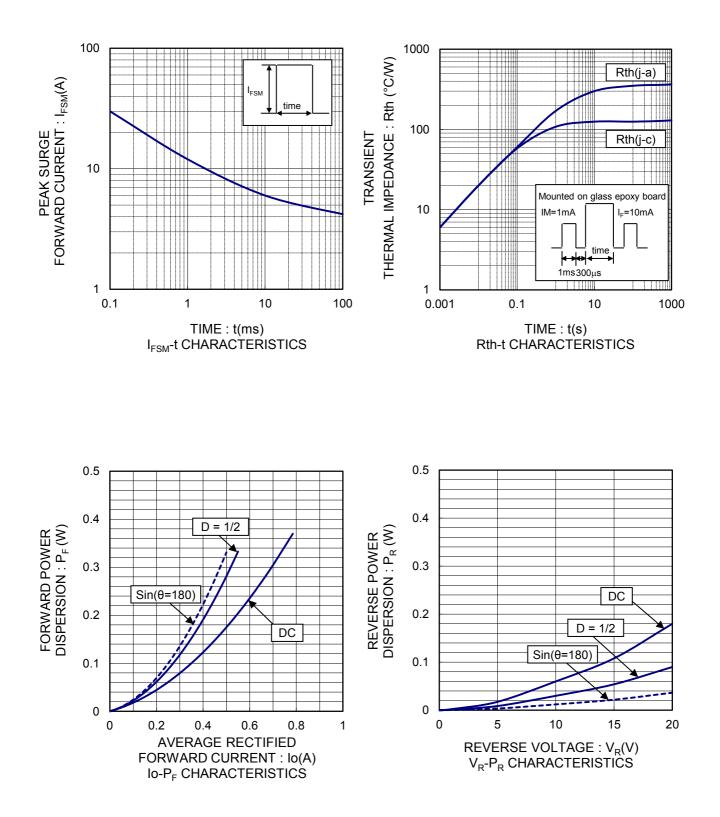
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	30	V
Reverse voltage (DC)	V <sub>R</sub>	20	V
Average rectified forward current	lo	500	А
Forward current surge peak (60Hz · 1cyc)	I <sub>FSM</sub>	2	A
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

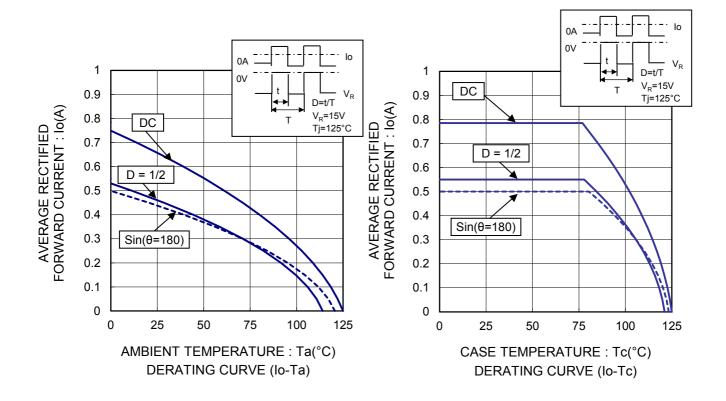
# •Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub> 1	-	-	0.36	V	I <sub>F</sub> =100mA
Forward voltage	V <sub>F</sub> 2	-	-	0.47	V	I <sub>F</sub> =500mA
Reverse current	I <sub>R</sub>	-	-	100	μA	V <sub>R</sub> =20V









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