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 ± 0.05

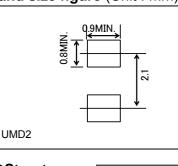
 0.1 ± 0.1

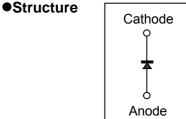
1.7 ±0.1 2.5 ±0.2 0.05

0.7±0.2

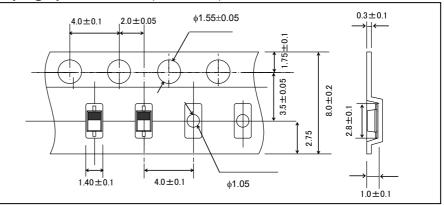
0.1

•Land size figure (Unit : mm)





•Taping specifications (Unit : mm)

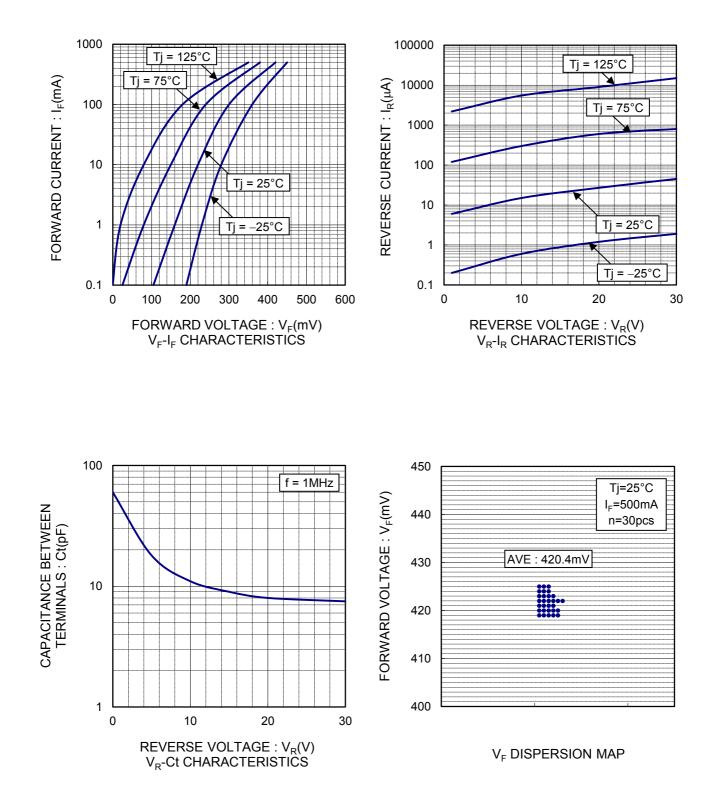


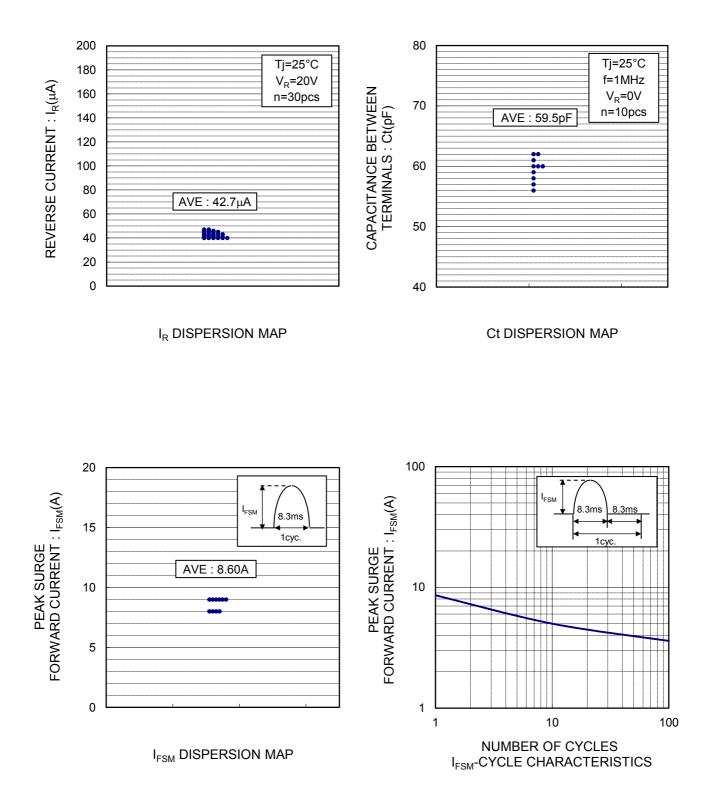
●Absolute maximum ratings (Ta= 25°C)

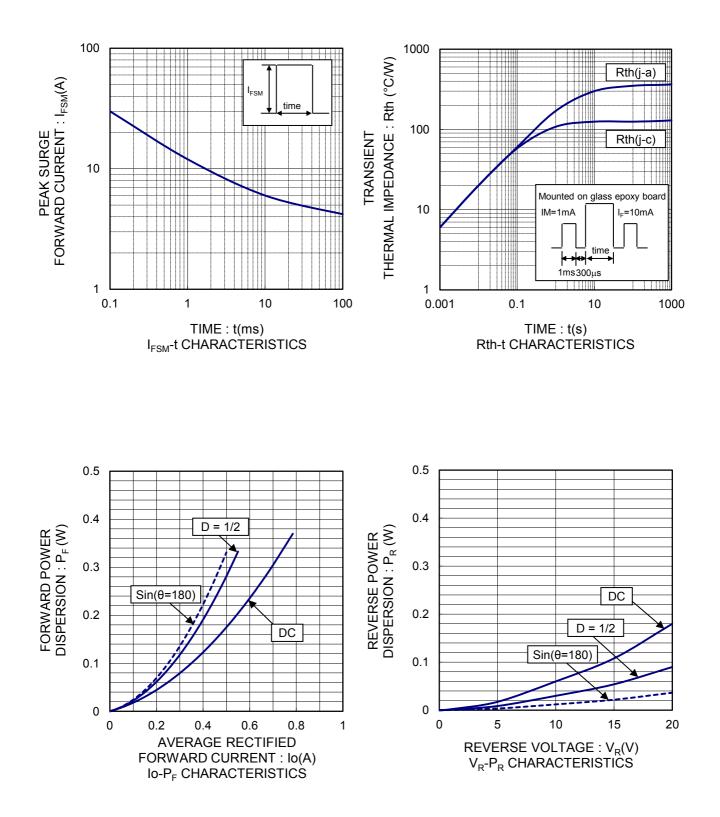
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	30	V
Reverse voltage (DC)	V _R	20	V
Average rectified forward current	lo	500	А
Forward current surge peak (60Hz · 1cyc)	I _{FSM}	2	A
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

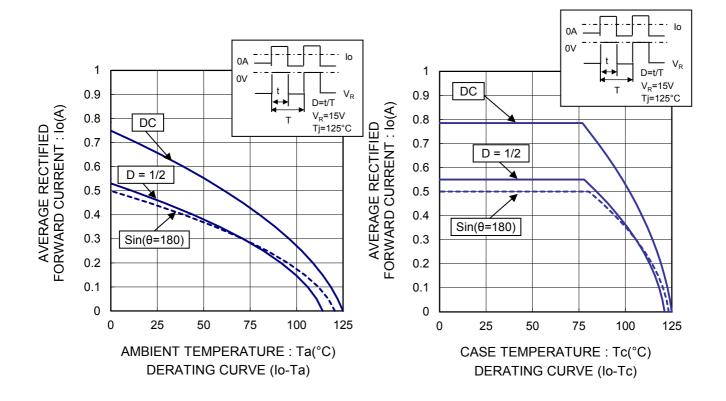
•Electrical characteristics (Ta = 25°C)

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









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