

# Schottky Barrier Diode

RB161SS-20

●Applications

Small current rectification

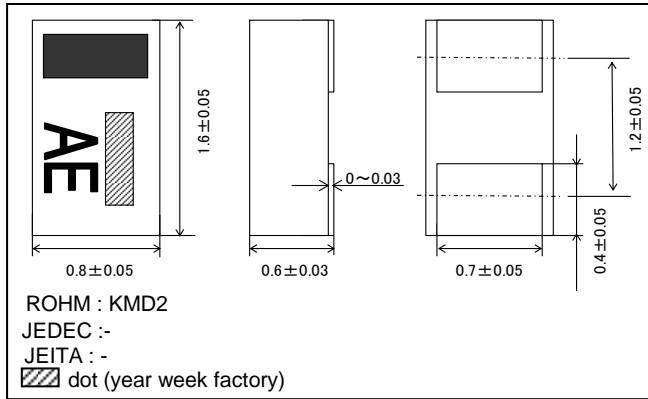
●Features

- 1) Small power mold type (KMD2)
- 2) High reliability
- 3) Low  $V_F$

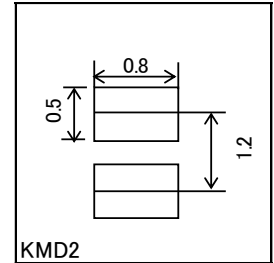
●Construction

Silicon epitaxial planer

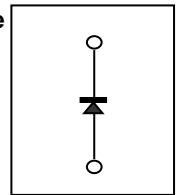
●Dimensions (Unit : mm)



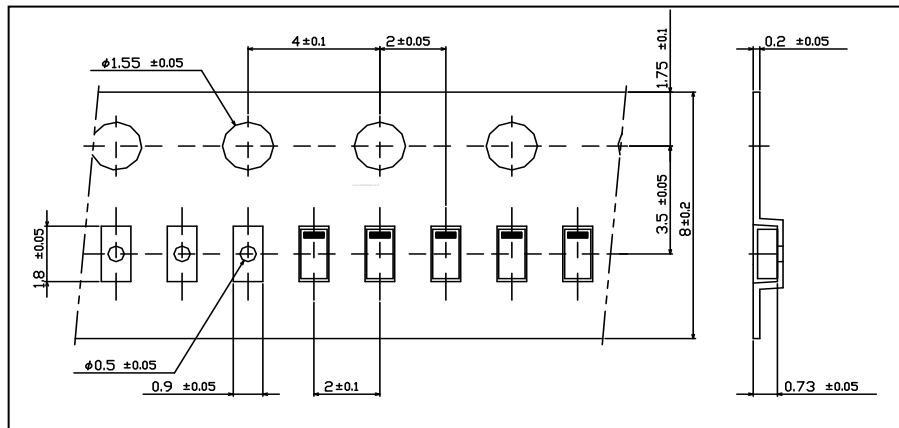
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)

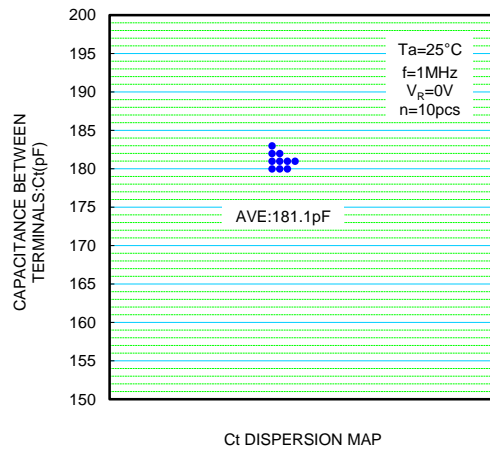
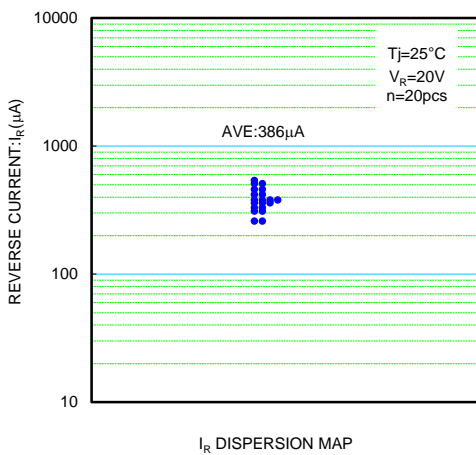
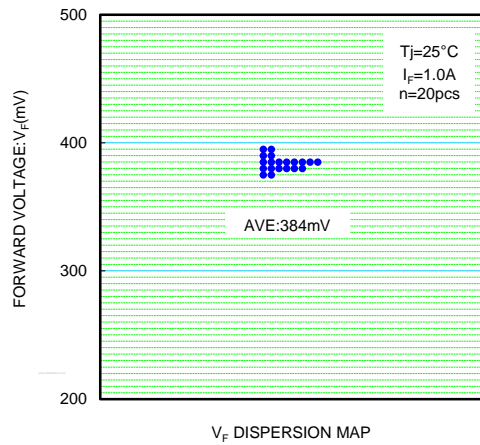
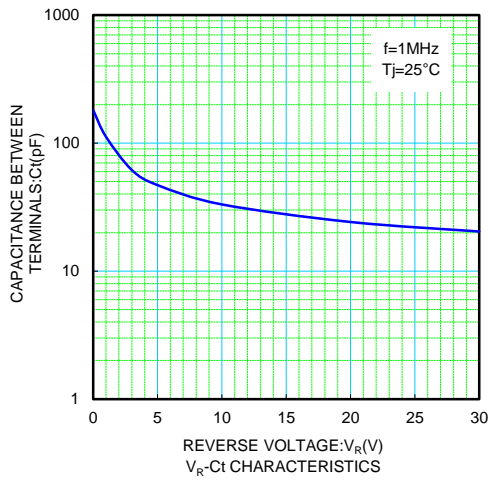
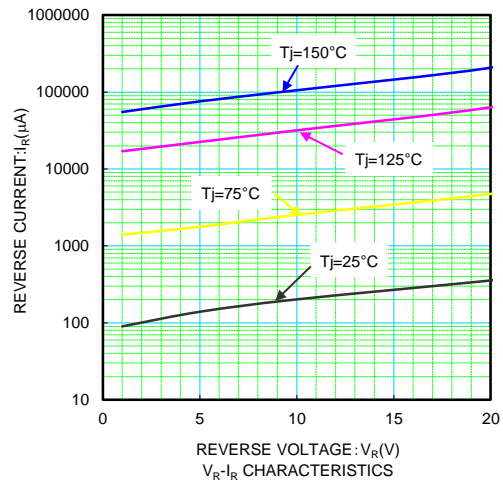
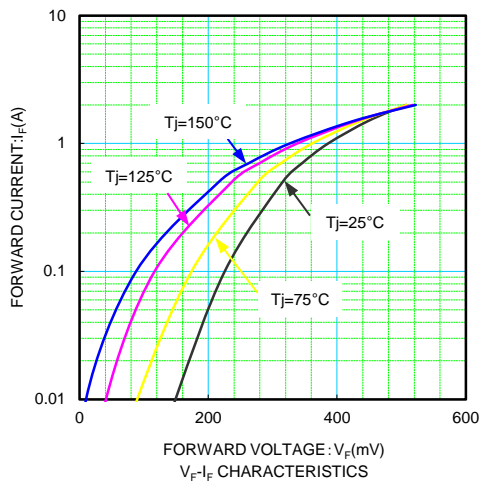


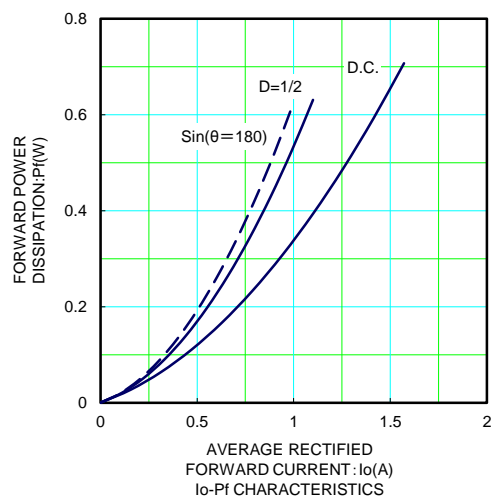
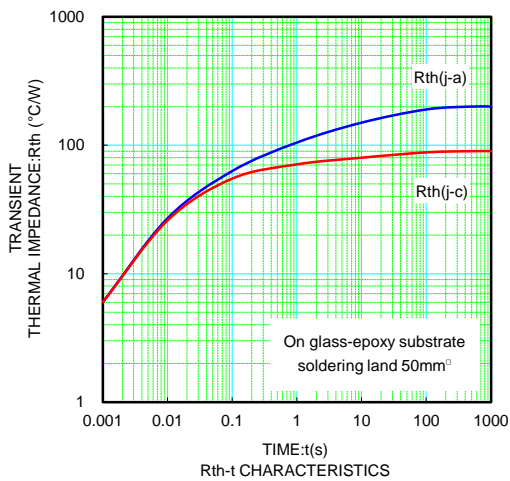
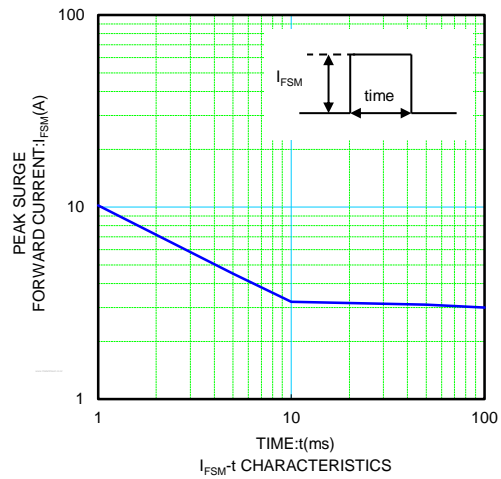
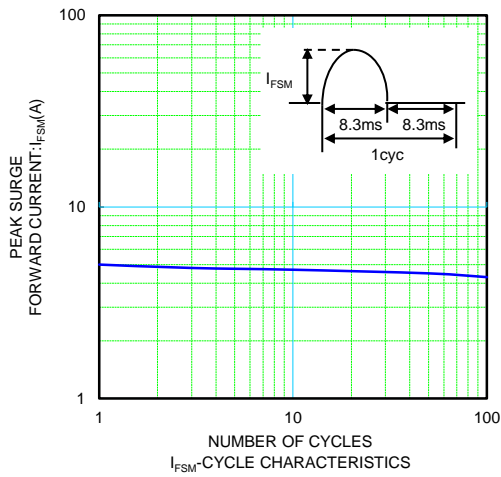
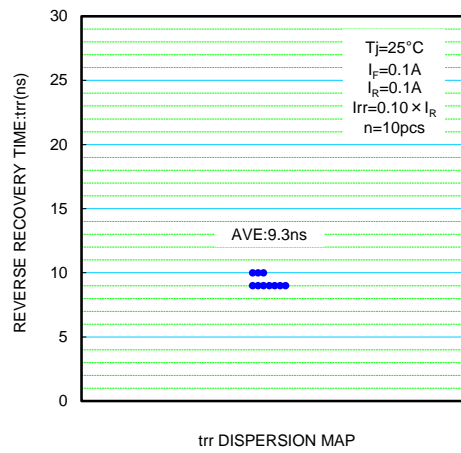
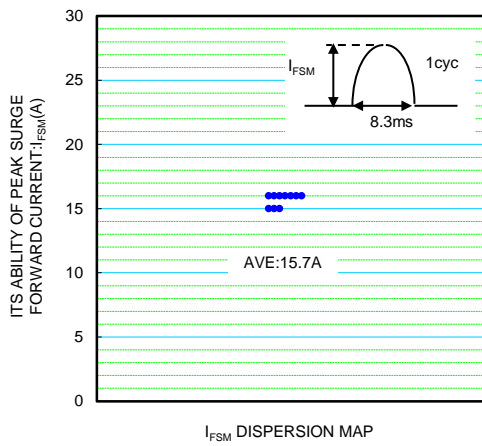
●Absolute maximum ratings (Ta=25°C)

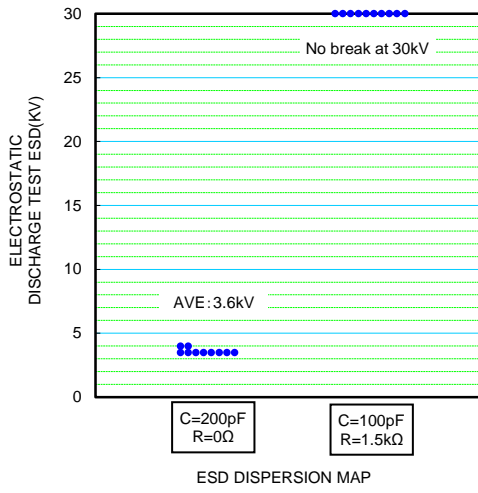
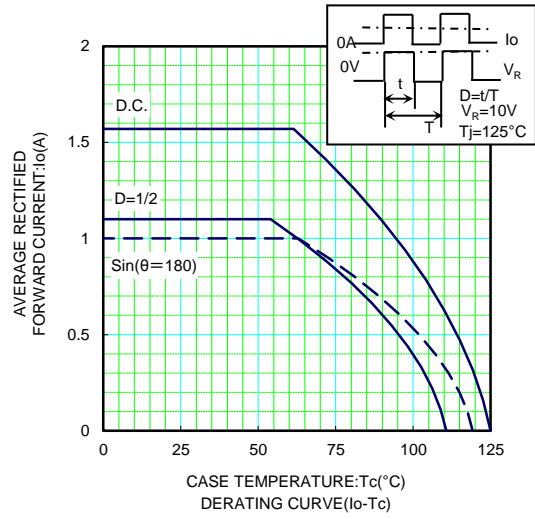
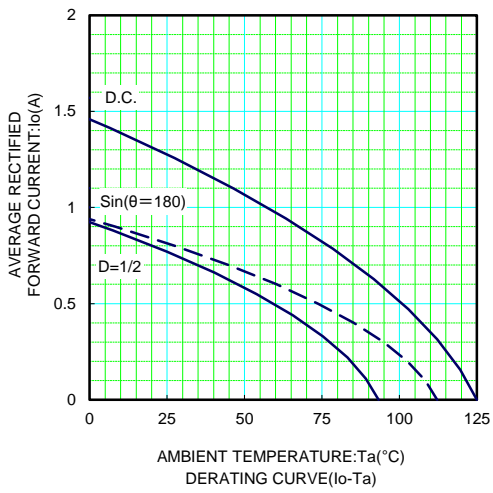
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	30	V
Reverse voltage (DC)	$V_R$	20	V
Average rectified forward current	$I_o$	1	A
Forward current surge peak (60Hz·1cyc.)	$I_{FSM}$	5	A
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward Voltage	$V_{F1}$	-	0.33	0.37	V	$I_F=0.7A$
	$V_{F2}$	-	0.38	0.42	V	$I_F=1.0A$
Reverse Current	$I_R$	-	0.20	1.00	mA	$V_R=20V$







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