

RB521ZS-30

General rectification

- 1) Ultra small mold type. (GMD2)
- 2) Low V_F
- 3) High reliability

Silicon epitaxial planar

Mechanical drawing of the GMD2 component showing front, side, and top views with dimensions and tolerances.

Front View Dimensions:
 Width: 0.3 ± 0.05
 Height: 0.6 ± 0.05
 Feature: Large rectangular area labeled 'D'.

Side View Dimensions:
 Width: 0.3 ± 0.03
 Feature: Small rectangular protrusion with a width tolerance of $0 \sim 0.03$.

Top View Dimensions:
 Width: 0.27 ± 0.03
 Height: 0.57 ± 0.05
 Internal Features: Two rectangular areas with dimensions 0.19 ± 0.03 and 0.38 ± 0.03 .

Legend:
 ROHM : GMD2
 JEDEC : -
 JEITA : -
 [Hatched Box] dot(year week factory)

Technical drawing of a GMD2 component. The drawing shows two rectangular features. The top feature has a width of 0.31 and a height of 0.23. The bottom feature has a height of 0.38. The label GMD2 is located at the bottom left of the drawing.

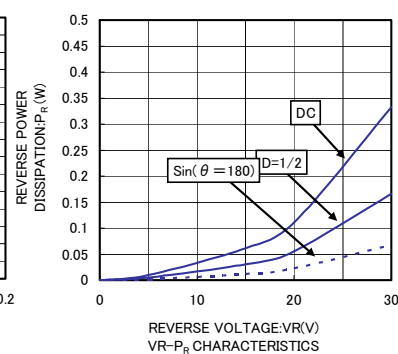
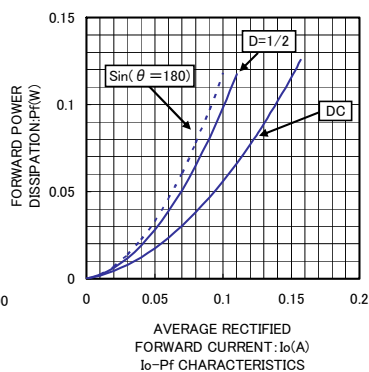
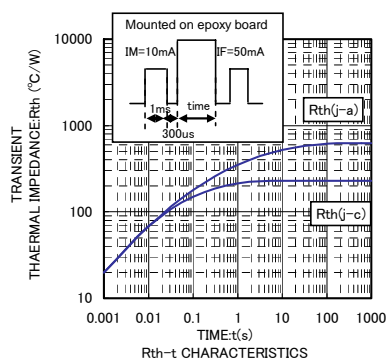
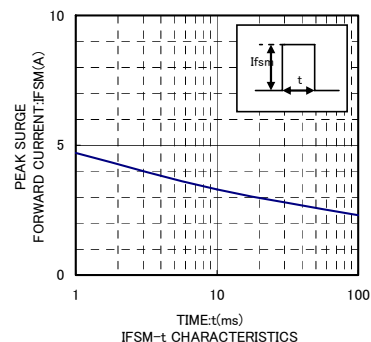
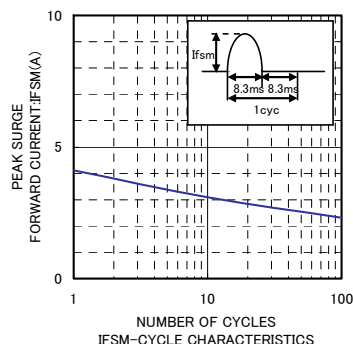
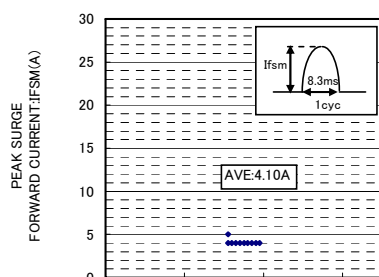
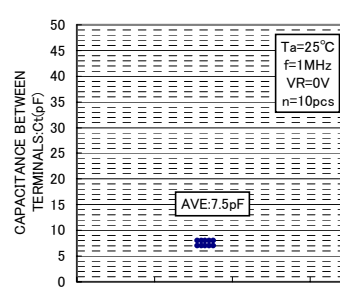
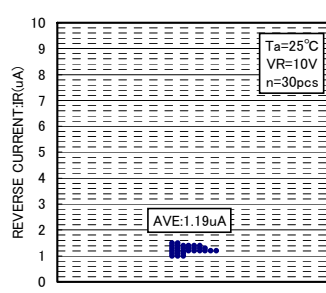
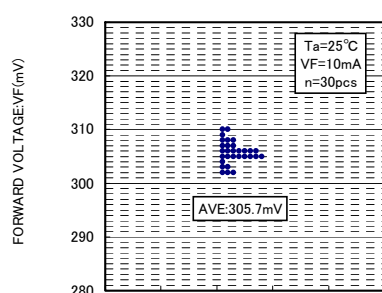
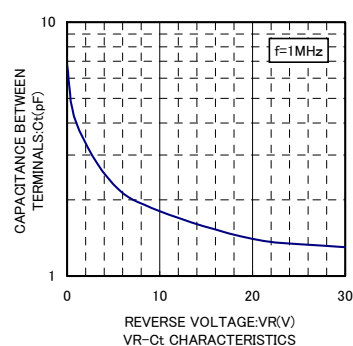
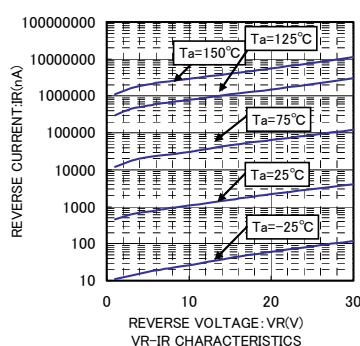
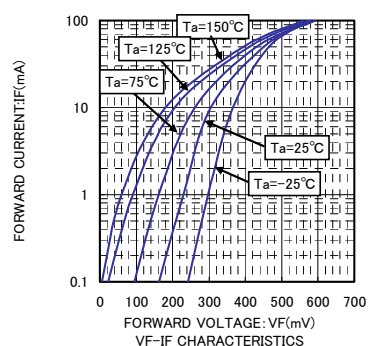
Technical drawing of a rectangular plate with dimensions and tolerances. The drawing shows a top view and a side view. The top view dimensions are: width 4 ± 0.05 and 2 ± 0.05 ; height 1.75 ± 0.1 and 8 ± 0.1 ; hole diameter $\phi 1.5 \pm 0.1$; hole spacing 2 ± 0.05 ; hole offset 0.36 ± 0.08 ; hole diameter $\phi 0.2 \pm 0.05$; and hole spacing 2 ± 0.05 . The side view dimensions are: thickness 0.2 ± 0.05 and 0.37 ± 0.03 . The drawing includes dashed lines for hidden features and arrows for dimension lines.

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	100	mA
Forward current surge peak (60Hz•1cyc)	I_{FSM}	500	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

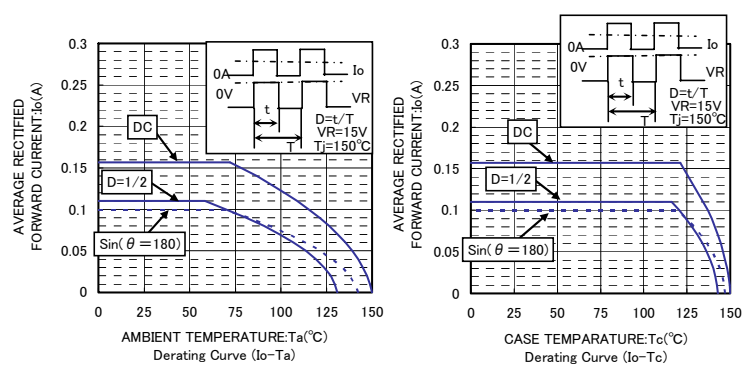
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.37	V	$I_F=10\text{mA}$
Reverse current	I_R	-	-	7	μA	$V_R=10\text{V}$

Diodes

●Electrical characteristic curves



Diodes



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