

RN142ZS

High frequency switching

- 1) Ultra small mold type. (GMD2)
- 2) Low high-frequency forward resistance (r_F).
/ low capacitance (C_T).

Silicon epitaxial planar

The drawing shows three views of the GMD2 component:

- Top View:** A rectangle with a width of 0.3 ± 0.05 and a height of 0.6 ± 0.05 . It features a large 'E' marking and two shaded rectangular areas.
- Side View:** A rectangle with a width of 0.3 ± 0.03 . It shows the profile of the component with a small rectangular feature on the side.
- Front View:** A rectangle with a width of 0.27 ± 0.03 and a height of 0.57 ± 0.05 . It shows two shaded rectangular areas with a vertical gap between them. The gap height is 0.19 ± 0.03 . The distance from the top edge to the top shaded area is 0.38 ± 0.03 .

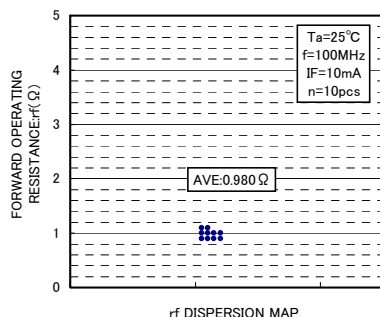
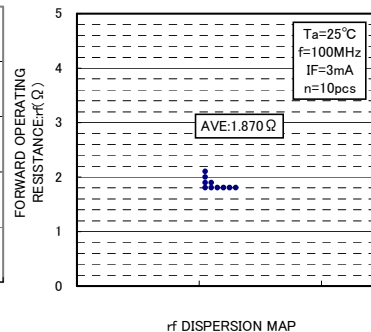
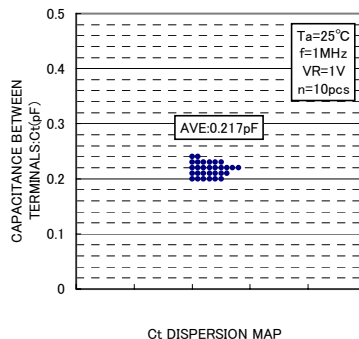
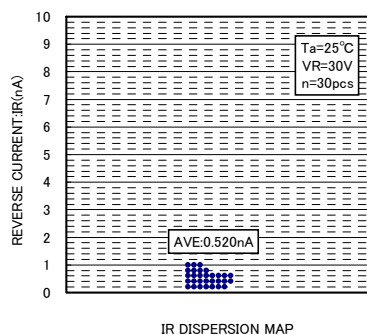
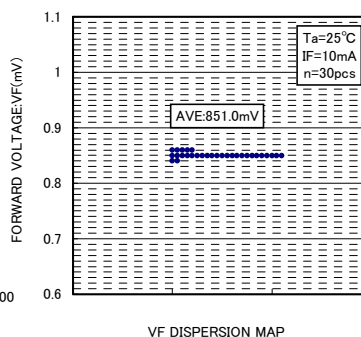
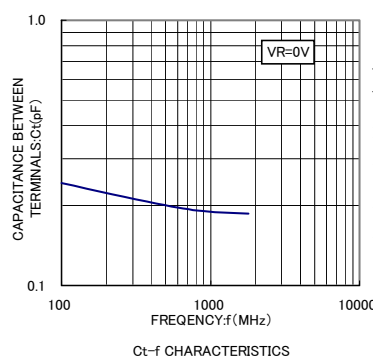
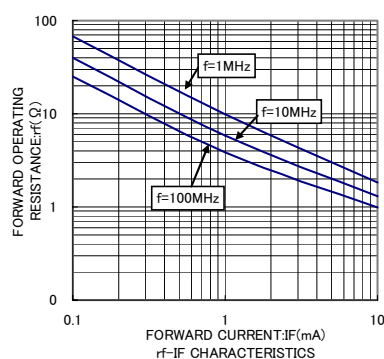
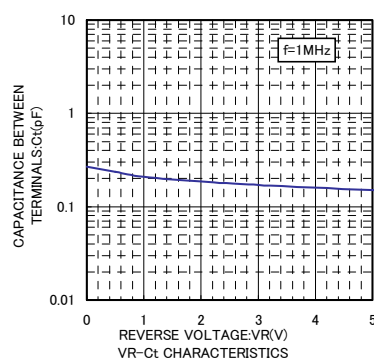
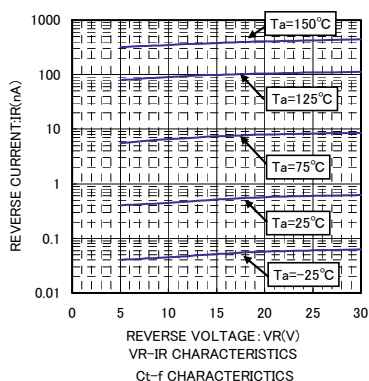
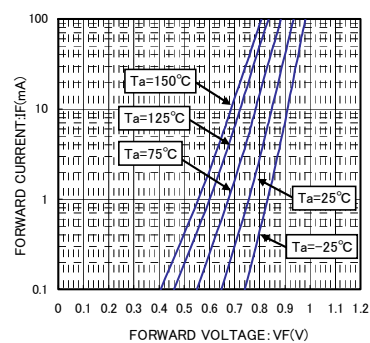
ROHM : GMD2
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Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Forward current(DC)	I_F	50	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.0	V	$I_F=10mA$
Reverse current	I_R	-	-	0.1	μA	$V_R=30V$
Capacitance between terminals	C_t	-	-	0.45	pF	$V_R=1.0V, f=1MHz$
Forward resistance	R_f	-	-	1.5	Ω	$I_F=10mA, f=100MHz$
	R_f	-	-	2.5	Ω	$I_F=3mA, f=100MHz$

Diodes

● Electrical characteristic curves



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