

RF101A2S

Diodes

Fast recovery diode

RF101A2S

●Applications

General rectification

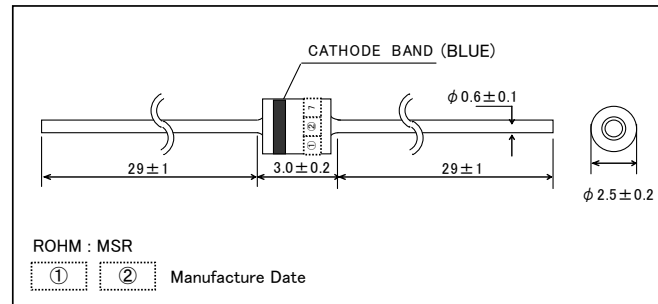
●Features

- 1) Cylindrical mold type. (MSR)
- 2) Ultra Low V_F .
- 3) Ultra high switching.
- 4) Low switching loss.
- 5) High ESD.

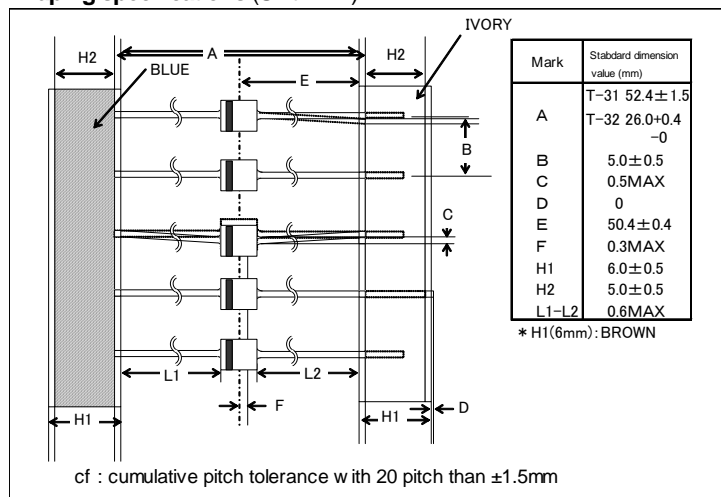
●Construction

Silicon epitaxial planar

●Dimensions (Unit : mm)



●Taping specifications (Unit : mm)

●Absolute maximum ratings ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	200	V
Reverse voltage (DC)	V_R	200	V
Average rectified forward current(*1)	I_o	1	A
Forward current surge peak (60Hz·1cyc)	I_{FSM}	20	A
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

(*1) Mounting on epoxy board. 180° Half sine wave

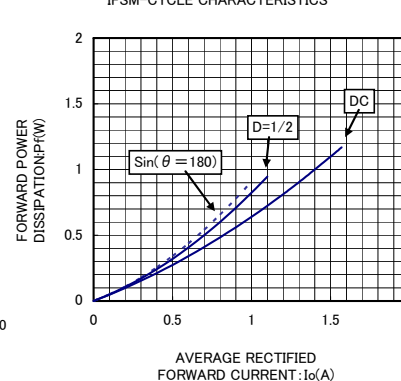
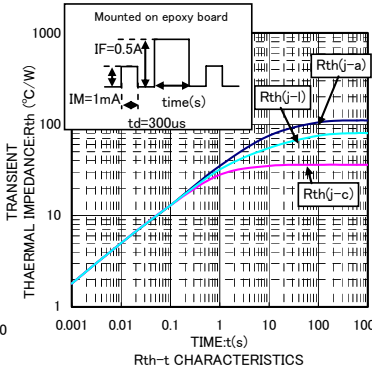
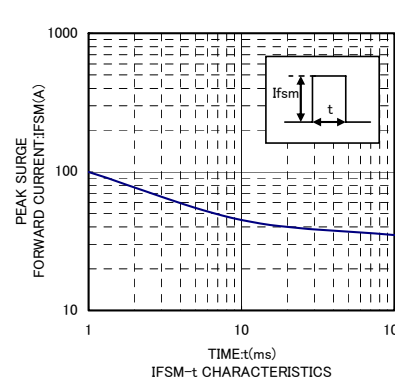
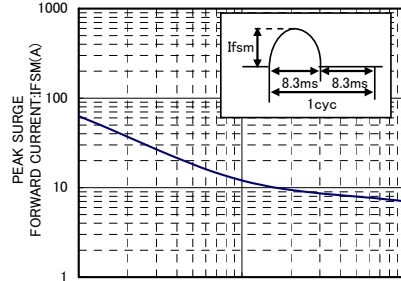
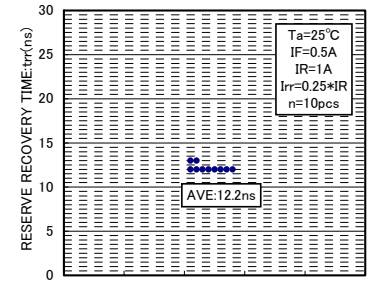
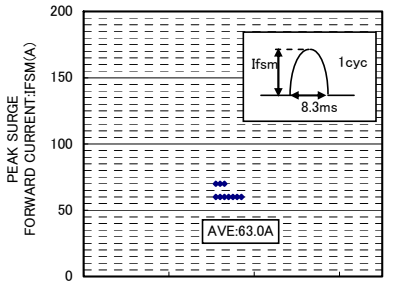
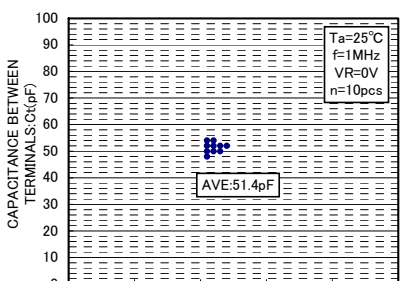
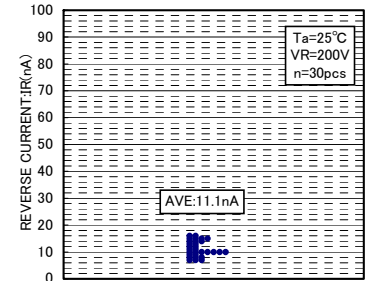
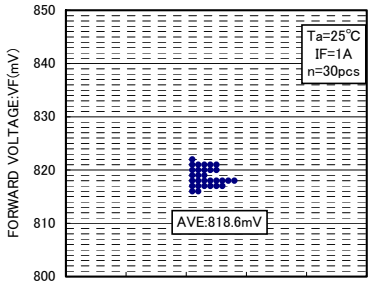
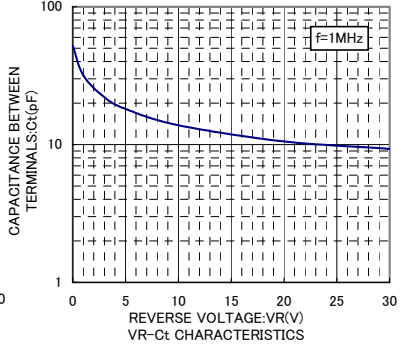
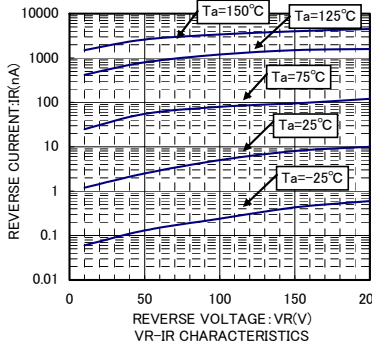
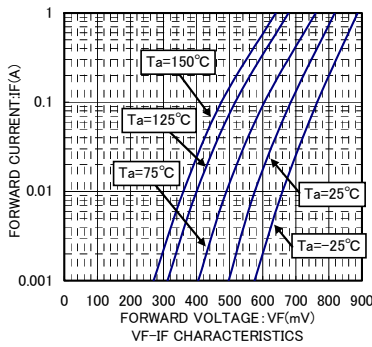
●Electrical characteristic ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.815	0.87	V	$I_F=1.0\text{A}$
Reverse current	I_R	-	0.01	10	μA	$V_R=200\text{V}$
Reverse recovery time	t_{rr}	-	12	25	ns	$I_F=0.5\text{A}, I_R=1\text{A}, I_{rr}=0.25 \cdot I_R$

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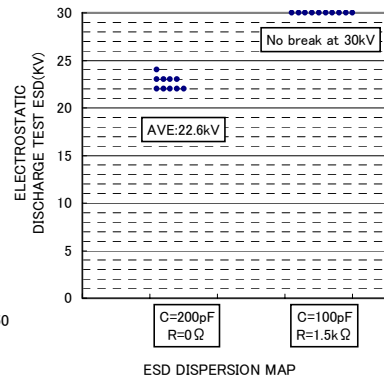
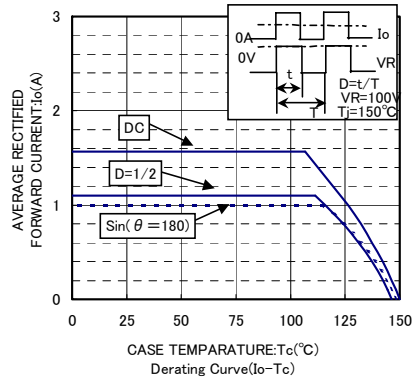
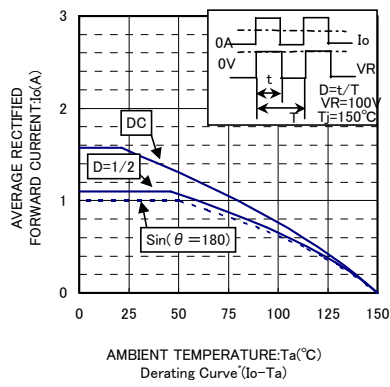
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●Electrical characteristic curves



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Appendix

Notes

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