Fast recovery diode RF101A2S

Applications

General rectification

Features

- 1) Cylindrical mold type. (MSR)
- 2) Ultra Low VF.
- 3) Ultra high switching.
- 4) Low switching loss.

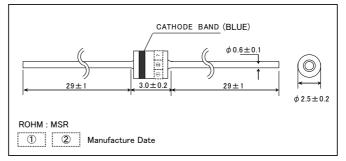
5) High ESD.

5) Tight LOD.

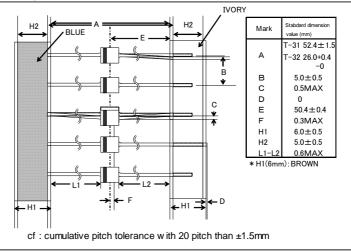
Construction

Silicon epitaxial planar

•Dimensions (Unit : mm)



•Taping specifications (Unit : mm)



•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V _{RM}	200	V
Reverse voltage (DC)	V _R	200	V
Average rectified forward current(*1)	lo	1	A
Forward current surge peak (60Hz · 1cyc)	I _{FSM}	20	A
Junction temperature	Tj	150	S
Storage temperature	Tstg	-55 to +150	°C

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

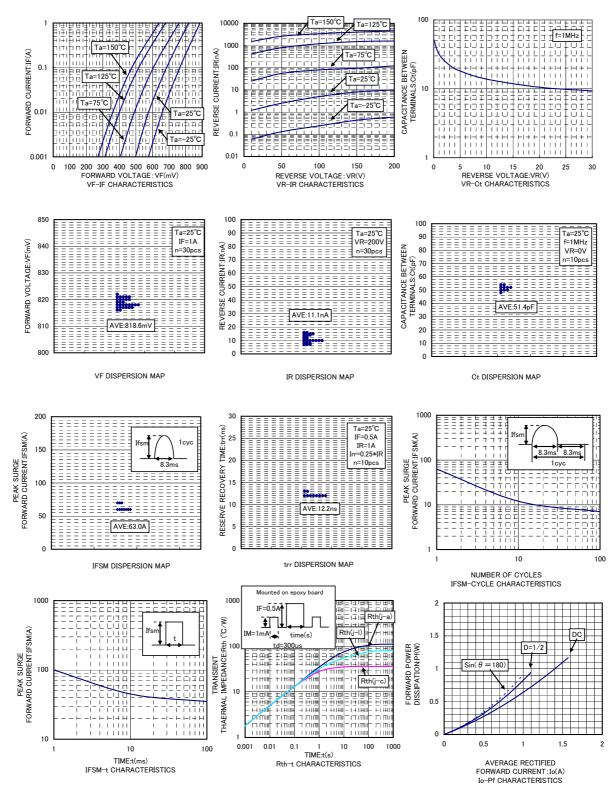
•Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	0.815	0.87	V	I _F =1.0A
Reverse current	I _R	-	0.01	10	μA	V _R =200V
Reverse recovery time	trr	-	12	25	ns	I _F =0.5A,I _R =1A,Irr=0.25*I _R



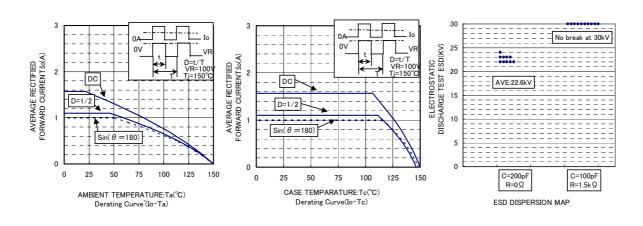
Diodes

•Electrical characteristic curves



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Diodes



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Appendix1-Rev2.0

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