Fast recovery diode RF501B2S

Applications

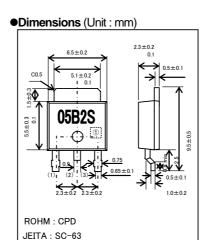
General rectification

Features

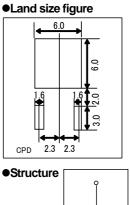
- 1) Power mold type (CPD)
- 2) High reliability
- 3) Low V_F
- 4) Very fast recovery
- 5) Low switching loss

Construction

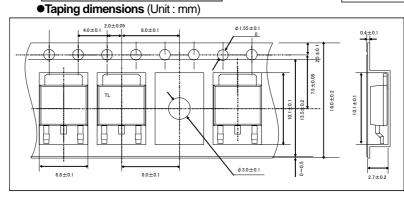
Silicon epitaxial planer



1 Manufacture Date



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•Absolute maximum ratings (Ta=25°C)

Symbol	Limits	Unit
V _{RM}	200	V
V _R	200	V
lo	5	A
I _{FSM}	40	A
Tj	150	°C
Tstg	-55 to +150	°C
	V _{RM} V _R Io I _{FSM} Tj	V _{RM} 200 V _R 200 Io 5 I _{FSM} 40 Tj 150

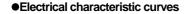
(*1)Business frequencies, Rating of R-load, 1/2 lo per diode, Tc=128°C

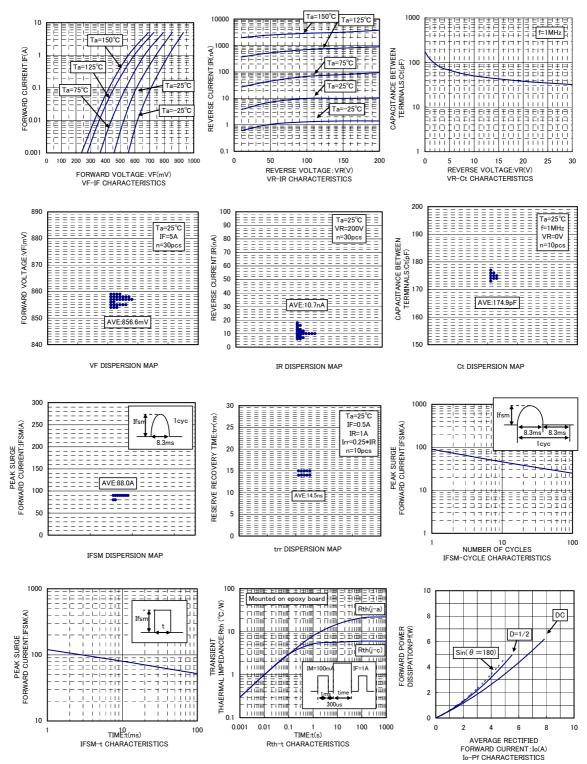
●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	0.86	0.92	V	I _F =5A
Reverse current	I _R	-	0.015	1	μA	V _R =200V
Reverse recovery time	trr	-	15	30	ns	I _F =0.5A,I _R =1A,Irr=0.25*I _R



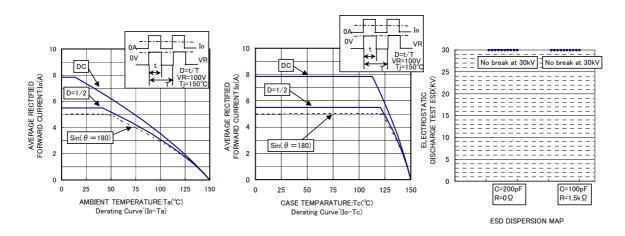
Diodes





ROHM

Diodes



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Appendix1-Rev2.0

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