Structure

Fast recovery diode RF601T2D

•Applications

General rectification

Features

- 1) Cathode common type.
- (TO-220)
- 2) Ultra Low VF
- 3) Very fast recovery
- 4) Low switching loss

Construction

Silicon epitaxial planar



•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V _{RM}	200	V
Reverse voltage (DC)	V _R	200	V
Average rectified forward current (*1)	lo	6	A
Forward current surge peak (60Hz · 1cyc)	I _{FSM}	60	A
Junction temperature	Tj	150	°C
Storage temoerature	Tstg	-55 to +150	S

(*1)Business frequency, Rating of R-load, Tc=132°CMAX. 1/2 lo per diode

•Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	0.87	0.93	V	I _F =3A
Reverse current	I _R	-	0.01	10	μA	V _R =200V
Reverse recovery time	trr	-	18	25	ns	I _F =0.5A,I _R =1A,Irr=0.25*I _R

Diodes

•Electrical characteristic curves



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Rev.B

Diodes





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Appendix1-Rev2.0

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