

Fast recovery diode

RF601T2D

Applications

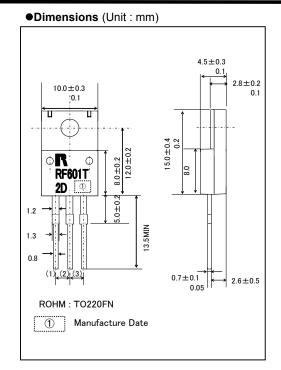
General rectification

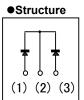
Features

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

Construction

Silicon epitaxial planar





●Absolute maximum ratings (Ta=25°C)

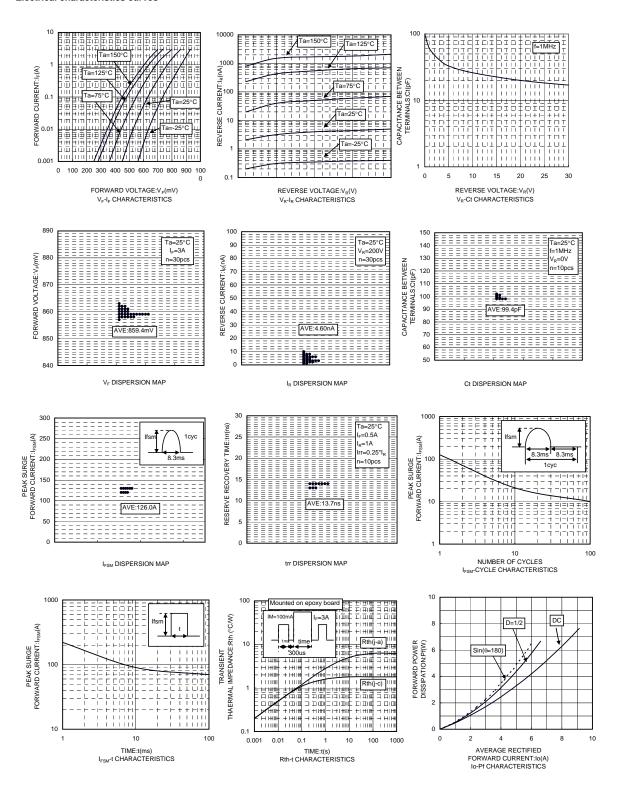
Parameter	Symbol	Symbol Limits	
Reverse voltage (repetitive peak)	V_{RM}	200	V
Reverse voltage (DC)	V_R	200	V
Average rectified forward current (*1)	lo	6	Α
Forward current surge peak (60Hz/1cyc)	I _{FSM}	60	Α
Junction temperature	Tj	150	°C
Storage temoerature	Tstg	-55 to +150	°C

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

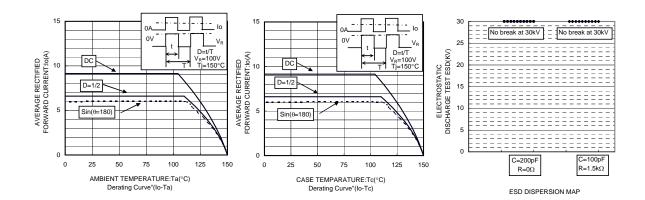
●Electrical characteristic (Ta=25°C)

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

●Electrical characteristics curves



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