Fast recovery diode RF601T2D

Applications

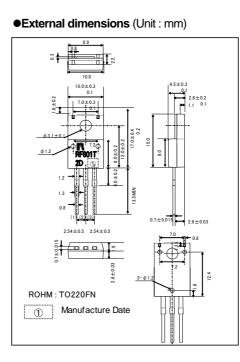
General rectification

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)

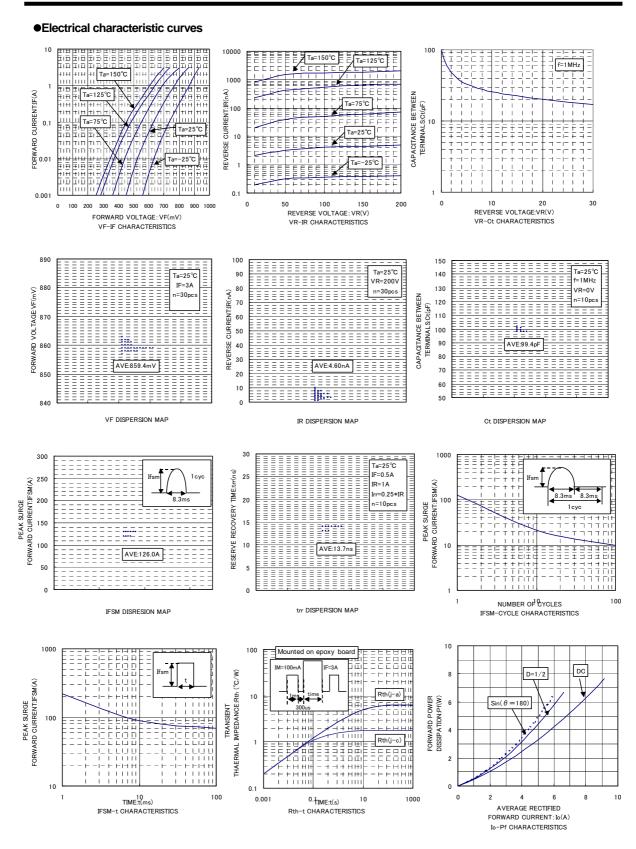
Parameter	Symbol	Limits	Unit	
Reverse voltage (repetitive peak)	V _{RM}	200	V	
Reverse voltage (DC)	V _R	200	V	
Average rectified forward current (*1)	lo	6	A	
Forward current surge peak (60Hz-1cyc)	I _{FSM}	60	A	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55 to +150	°C	

(*1) Per chip : lo/2

•Electrical characteristic (Ta=25°C)

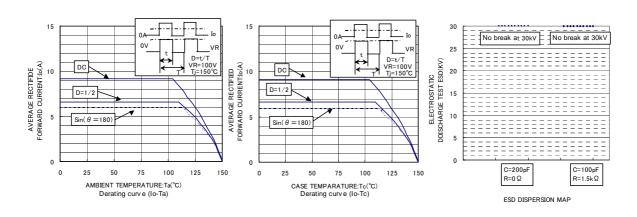
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.93	V	I _F =3A
Reverse current	I _R	-	-	10	μA	V _R =200V
Reverse recovery time	trr	-	-	25	ns	$I_{F}=0.5A, I_{R}=1A, Irr=0.25*I_{R}$

Diodes



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Diodes



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