

Super Fast Recovery Diode

RFU10TF6S

Series

Ultra Fast Recovery

Applications

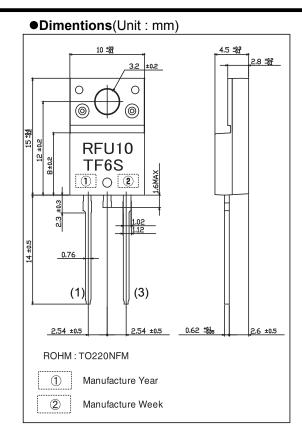
General rectification

Features

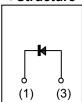
1)Single type.(TO-220) 2)Ultra High switching speed

Construction

Silicon epitaxial plnner







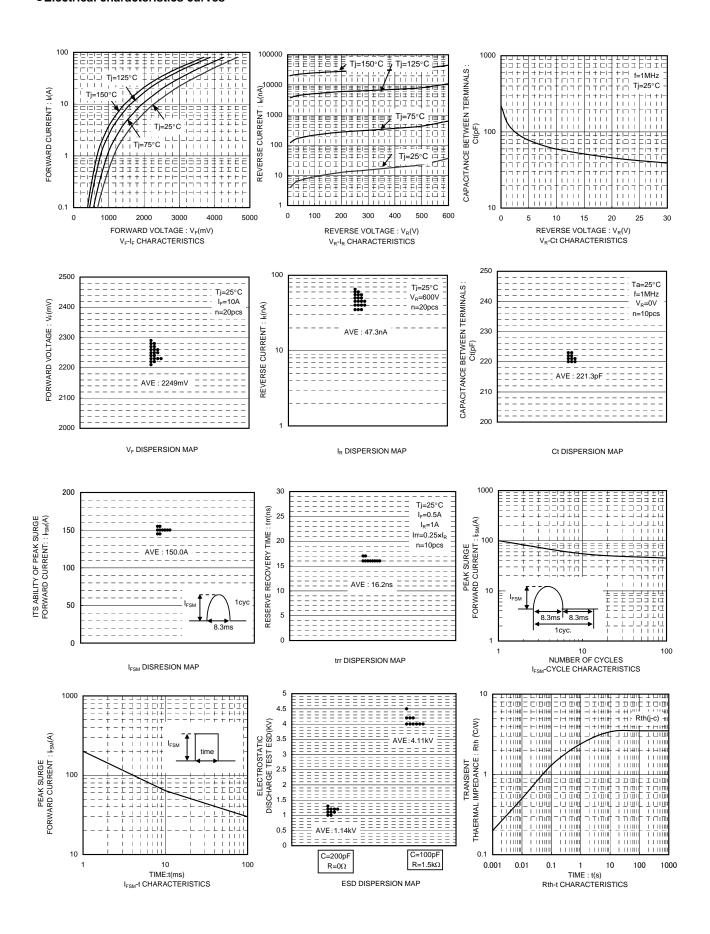
● Absolute maximum ratings(Tc=25°C)

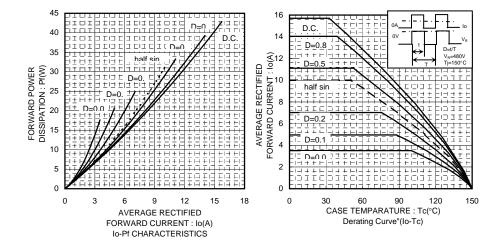
Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	V_{RM}	Duty≦0.5	600	V
Reverse voltage	V_R	Direct voltage	600	V
Average rectified forward current	lo	60Hz half sin wave, Resistance load, Tc=50°C	10	Α
Forward current surge peak	I _{FSM}	60Hz half sin wave, Non-repetitive one cycle peak value, Tj=25°C	100	А
Junction temperature	Tj		150	°C
Storage temperature	Tstg		-55 to +150	°C

●Electrical characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V_{F}	I _F =10A	-	2.3	2.8	V
Reverse current	I _R	V _R =600V	-	0.03	10	μΑ
Reverse recovery time	trr	I_F =0.5A, I_R =1A, I_R =0.25× I_R	-	16	25	ns
Thermal Resistance	Rth(j-c)	junction to case	-	-	3.5	°C/W

•Electrical characteristics curves





Notes

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