

Super Fast Recovery Diode RFUH10TF6S

•Serise

Super Fast Recovery

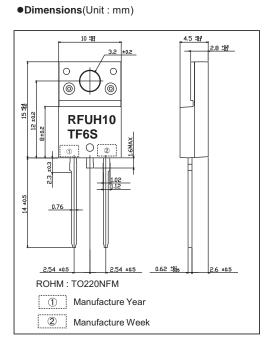
•Applications General rectification

Features

1)Ultra low switching loss

2)High current overload capacity

•Construction Silicon epitaxial planer type



Structure

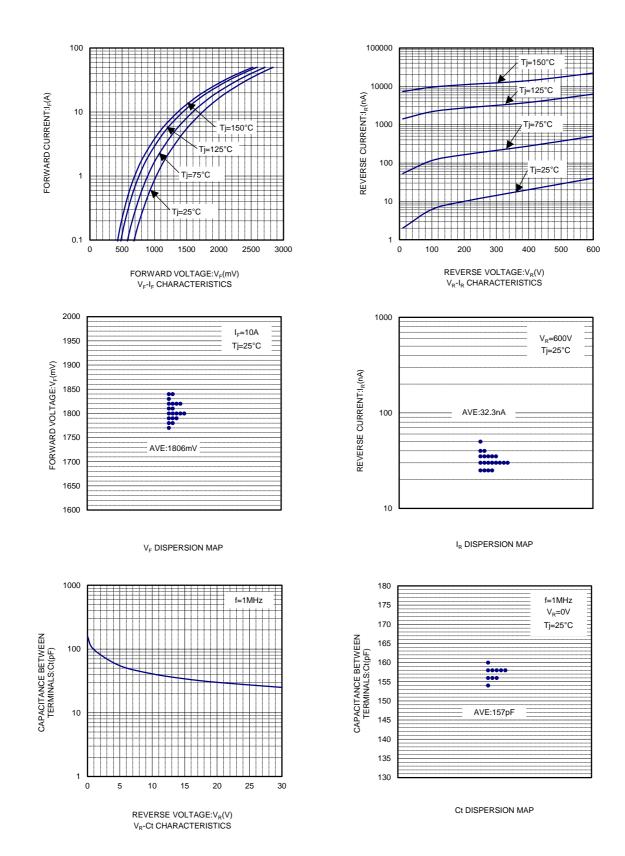


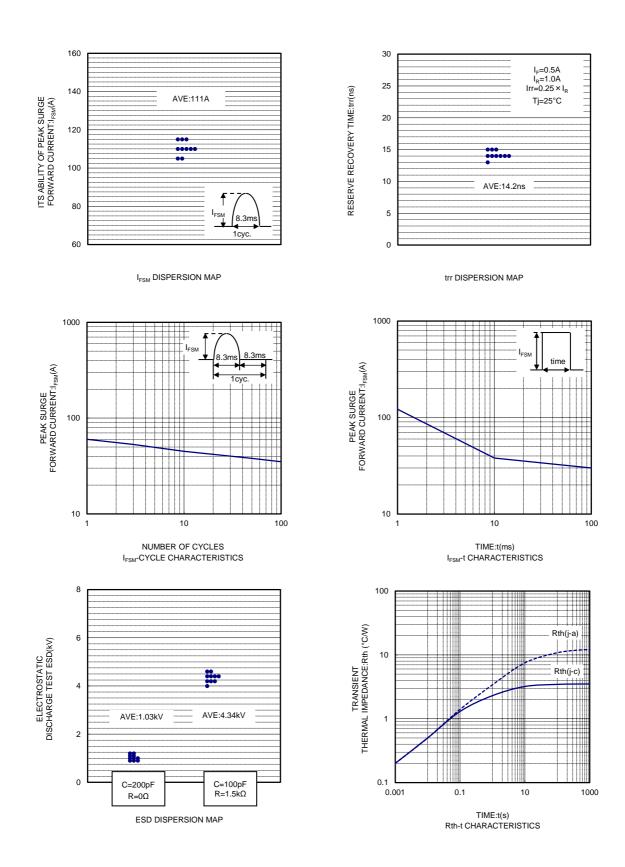
•Absolute Maximum Ratings(Tc=25°C)

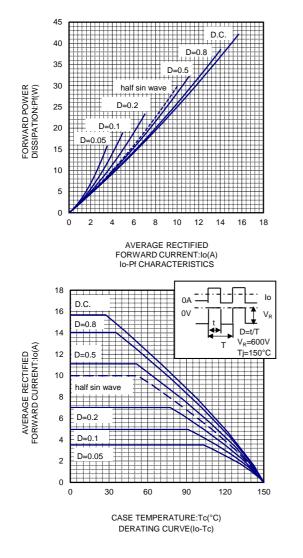
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	V _{RM}	Duty≦0.5		600	V
Reverse voltage	V _R	Direct voltage		600	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=52°C	10	А
Forward current surge peak	I _{FSM}	60Hz half sin wave , Non-repetitive a	vave , Non-repetitive at Tj=25°C		А
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C

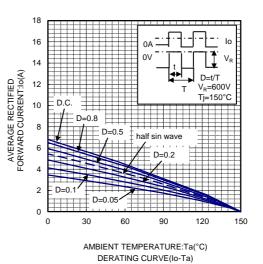
•Electrical Characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V _F	I _F =10A	_	1.8	2.8	V
Reverse current	I _R	V _R =600V	—	0.05	10	μA
Reverse recovery time	trr	$I_F=0.5A$, $I_R=1A$, $Irr=0.25 \times I_R$	—	15	25	ns
Thermal resistance	Rth(j-c)	Junction to case	_	—	3.5	°C/W









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