

## Super Fast Recovery Diode RFUH20TF6S

•Serise

Super Fast Recovery

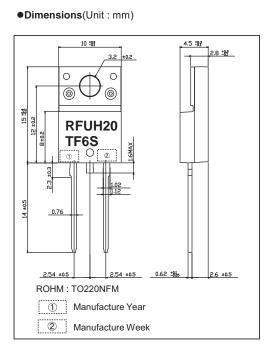
•Applications General rectification

Features

1)Ultra low switching loss

2)High current overload capacity

•Construction Silicon epitaxial planer type



Structure

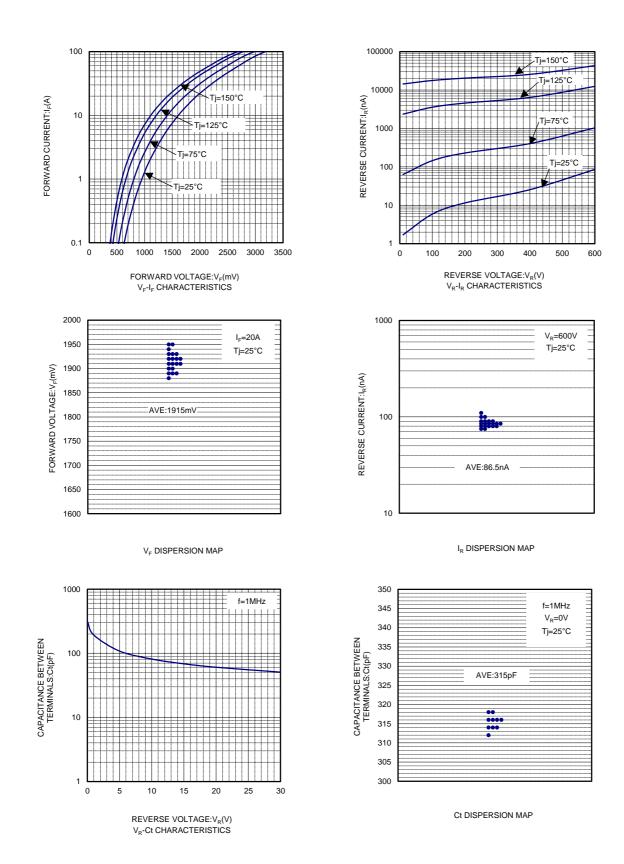


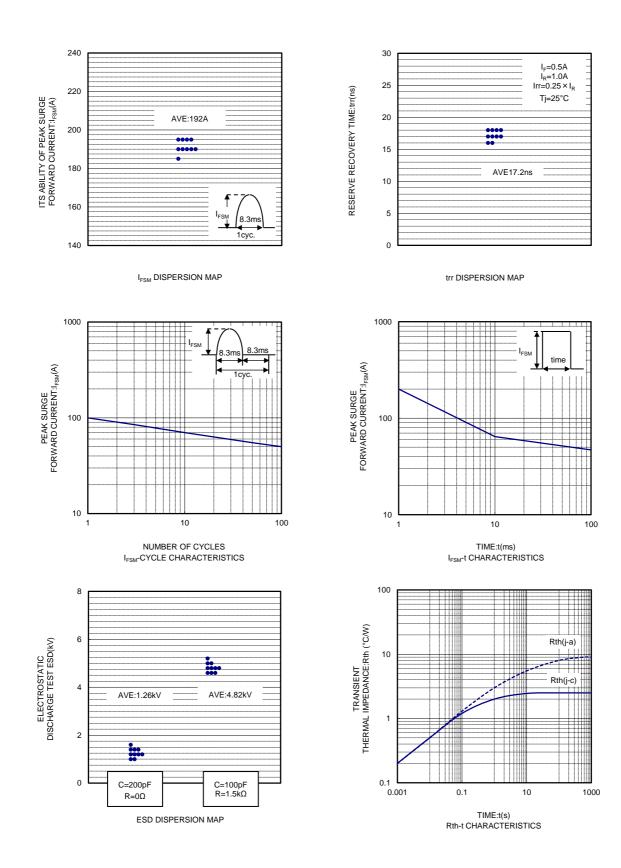
## •Absolute Maximum Ratings(Tc=25°C)

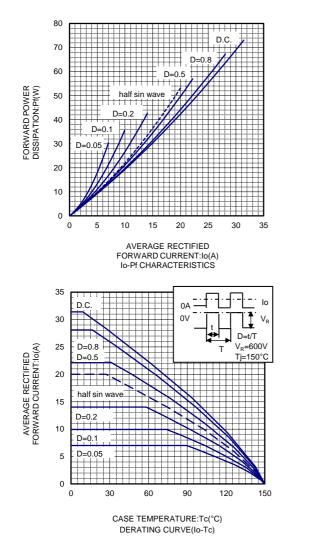
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	V <sub>RM</sub>	Duty≦0.5		600	V
Reverse voltage	V <sub>R</sub>	Direct voltage		600	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=27°C	20	А
Forward current surge peak	I <sub>FSM</sub>	60Hz half sin wave , Non-repetitive at	Tj=25°C	100	А
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C

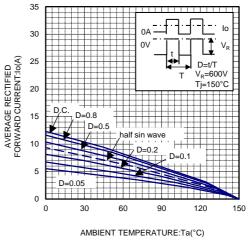
## •Electrical Characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =20A	_	1.8	2.8	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =600V	_	0.1	10	μA
Reverse recovery time	trr	$I_F=0.5A$ , $I_R=1A$ , $Irr=0.25 \times I_R$	—	18	35	ns
Thermal resistance	Rth(j-c)	Junction to case	_	—	2.5	°C/W









DERATING CURVE(lo-Ta)

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