

Super Fast Recovery Diode RFUH20NS4S

•Serise Super Fast Recovery

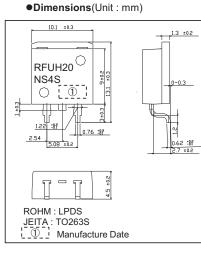
•Applications General rectification

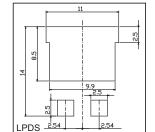
Features

Ultra low switching loss
High current overload capacity

Construction

Silicon epitaxial planer type

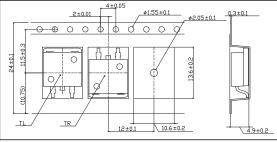




•Land Size Figure(Unit : mm)

•Structure

•Taping Dimensions(Unit : mm)

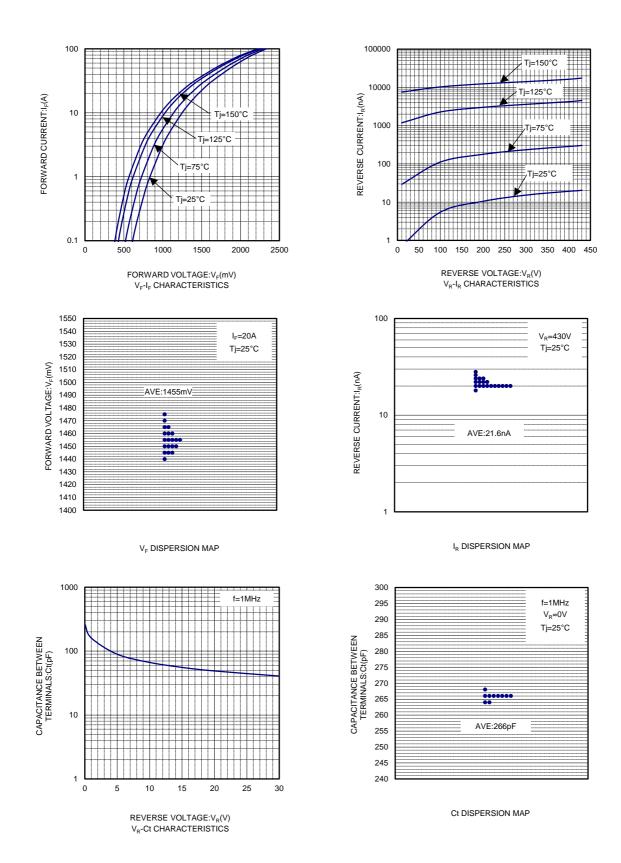


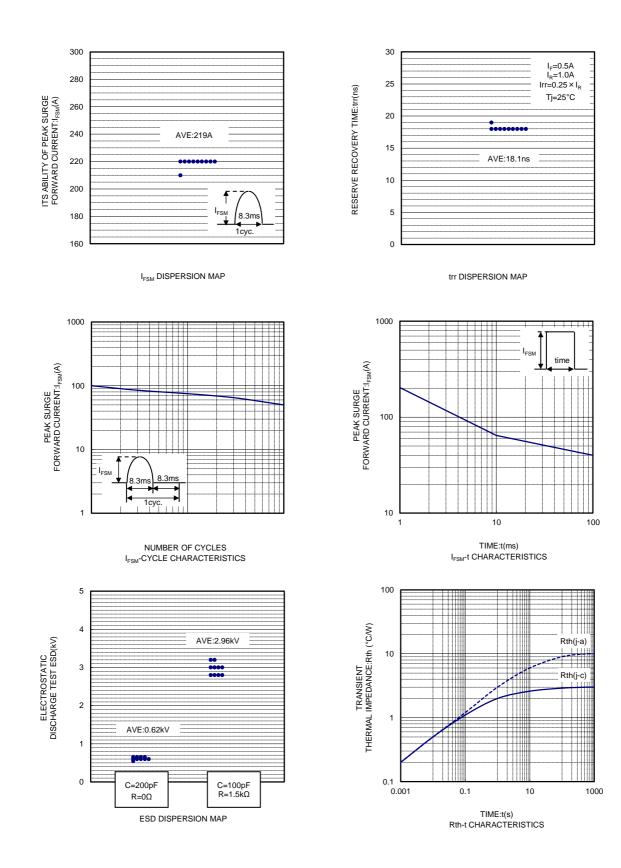
•Absolute Maximum Ratings(Tc=25°C)

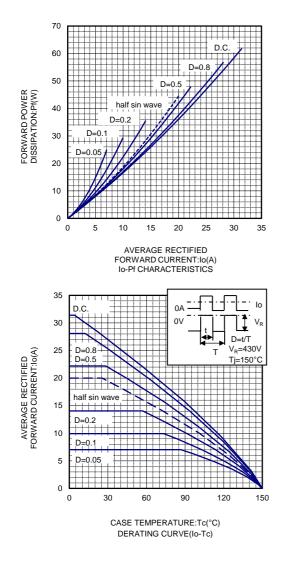
•Electrical Characteristics(Tj=25°C)

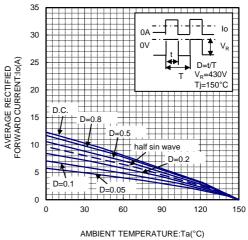
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	V _{RM}	Duty≦0.5		430	V
Reverse voltage	V _R	Direct voltage		430	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=26°C	20	А
Forward current surge peak	I _{FSM}	60Hz half sin wave , Non-repetitive at	Tj=25°C ^(*1)	100	A
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C
				(*1) 1-3pin cc	mmon circuit

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V _F	I _F =20A	-	1.5	1.7	V
Reverse current	I _R	V _R =430V	-	0.05	10	μA
Reverse recovery time	trr	I_F =0.5A, I_R =1A,Irr=0.25× I_R	_	18	25	ns
Thermal resistance	Rth(j-c)	Junction to case	_	_	3.0	°C/W









DERATING CURVE(lo-Ta)

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