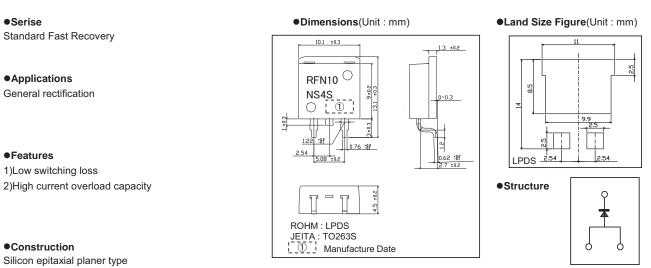
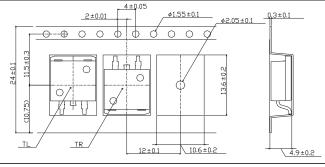


# Super Fast Recovery Diode RFN10NS4S



### •Taping Dimensions(Unit : mm)



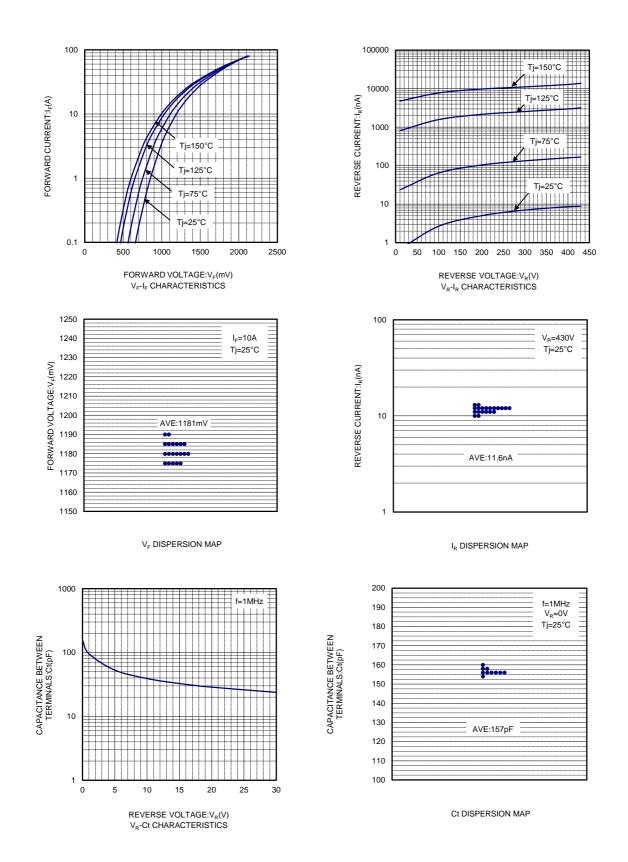
### •Absolute Maximum Ratings(Tc=25°C)

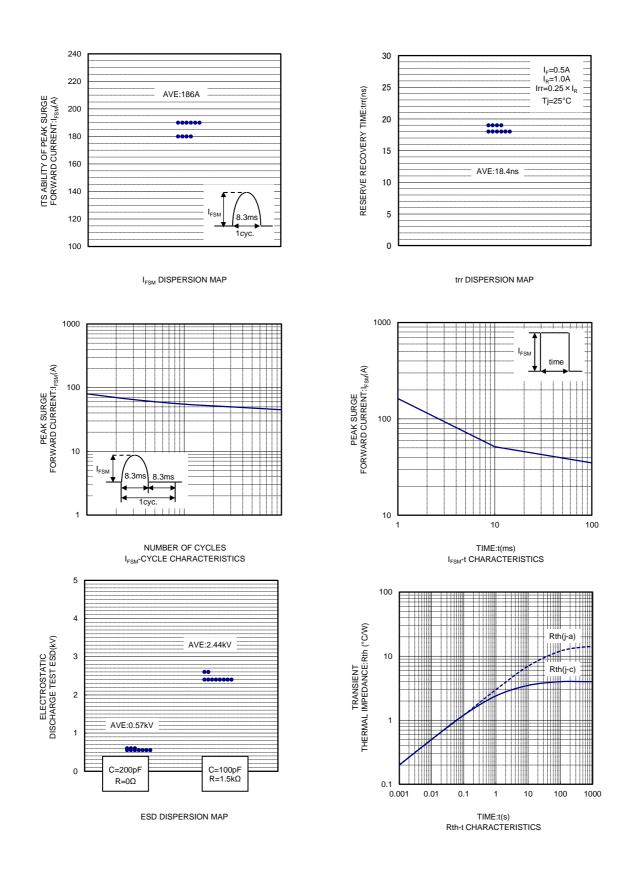
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	V <sub>RM</sub>	Duty≦0.5		430	V
Reverse voltage	V <sub>R</sub>	Direct voltage		430	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=75°C	10	А
Forward current surge peak	I <sub>FSM</sub>	60Hz half sin wave , Non-repetitive at	Tj=25°C <sup>(*1)</sup>	80	А
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C

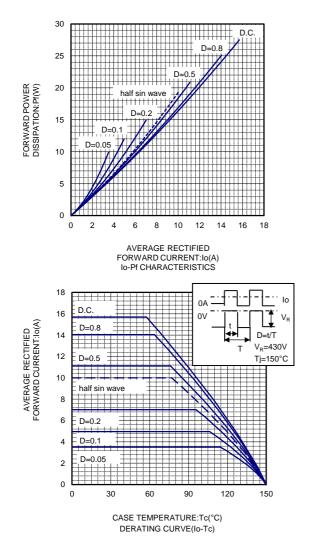
#### (\*1) 1-3pin common circuit

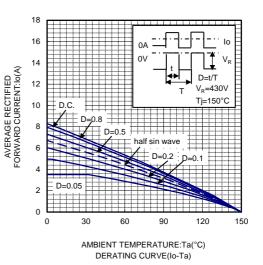
## •Electrical Characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =10A	-	1.2	1.55	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =430V	-	0.05	10	μA
Reverse recovery time	trr	$I_F=0.5A$ , $I_R=1A$ , $Irr=0.25 \times I_R$	-	18	30	ns
Thermal resistance	Rth(j-c)	Junction to case	-	-	4.0	°C/W









	Notes
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