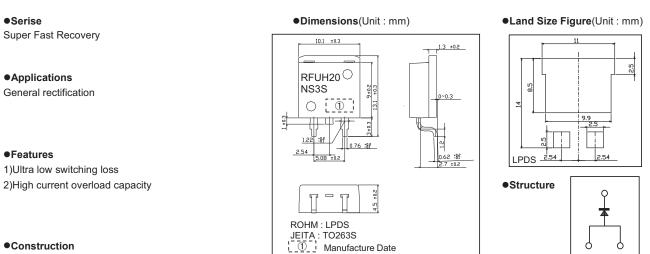


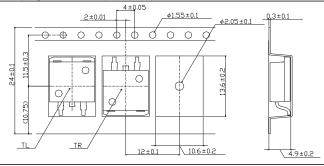
Super Fast Recovery Diode RFUH20NS3SFH

AEC-Q101 Qualified



Silicon epitaxial planer type





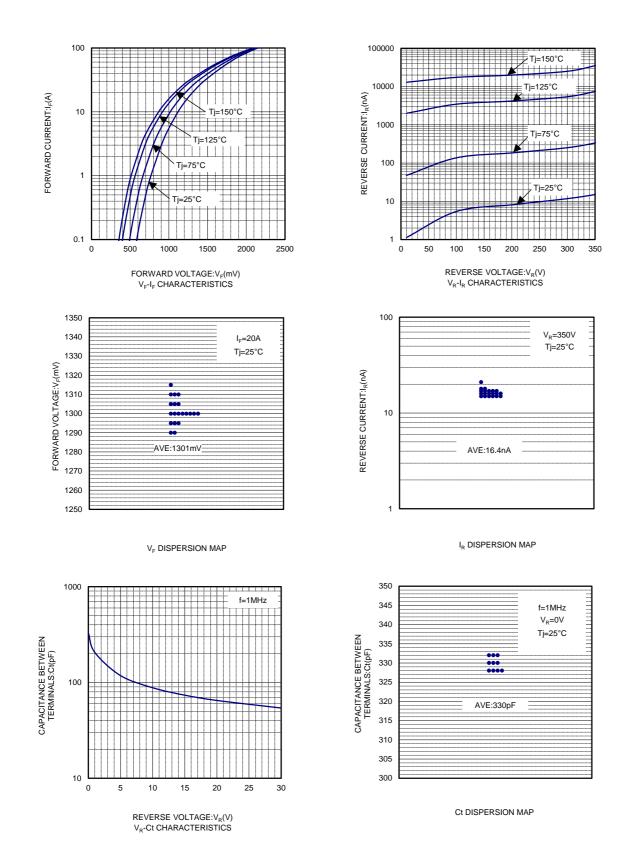
•Absolute Maximum Ratings(Tc=25°C)

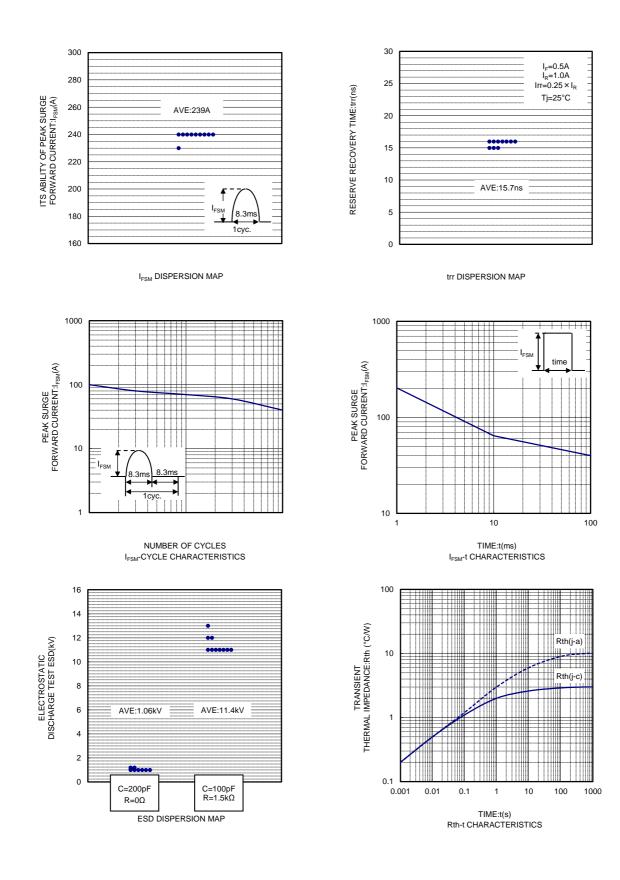
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	V _{RM}	Duty≦0.5		350	V
Reverse voltage	V _R	Direct voltage	Direct voltage		V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=32°C	20	А
Forward current surge peak	I _{FSM}	60Hz half sin wave , Non-repetitive at	ve , Non-repetitive at Tj=25°C ^(*1)		А
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C

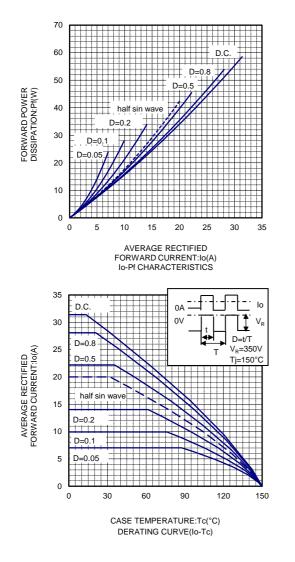
(*1) 1-3pin common circuit

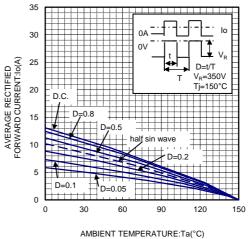
•Electrical Characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V _F	I _F =20A	-	1.3	1.5	V
Reverse current	I _R	V _R =350V	-	0.05	10	μA
Reverse recovery time	trr	$I_F=0.5A, I_R=1A, Irr=0.25 \times I_R$	-	16	25	ns
Thermal resistance	Rth(j-c)	Junction to case	-	—	3.0	°C/W









DERATING CURVE(lo-Ta)

	Notes
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