

Super Fast Recovery Diode RFN20NS3S

•Serise Standard Fast Recovery

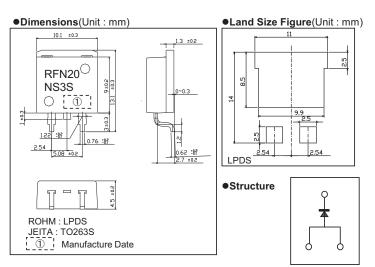
•Applications General rectification

Features

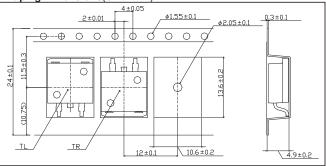
Low switching loss
 High current overload capacity

Construction

Silicon epitaxial planer type



•Taping Dimensions(Unit : mm)



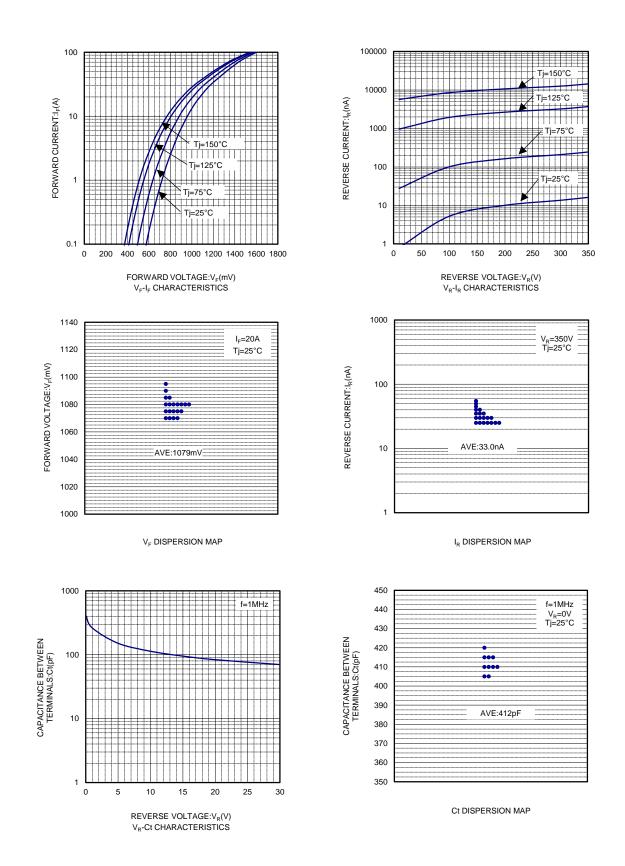
•Absolute Maximum Ratings(Tc=25°C)

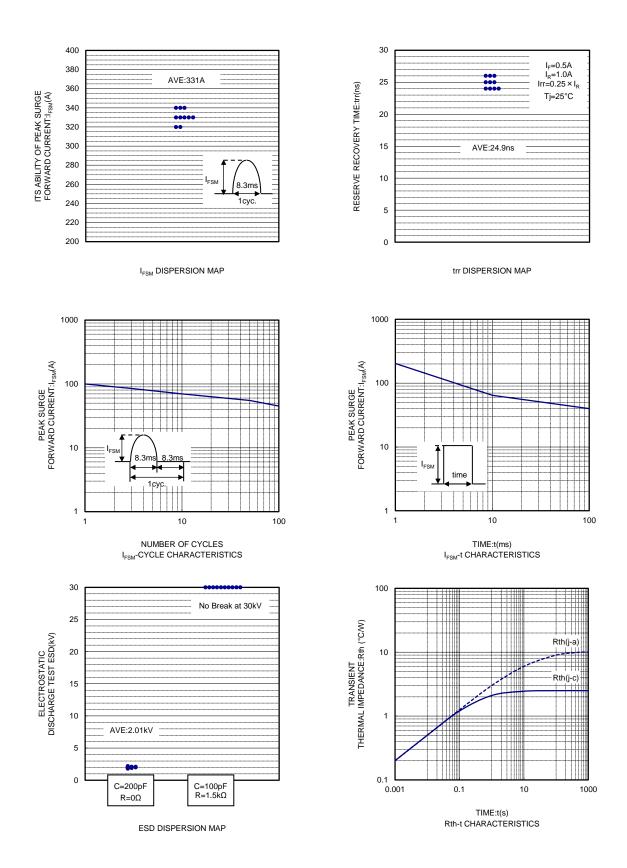
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	V _{RM}	Duty≦0.5		350	V
Reverse voltage	V _R	Direct voltage		350	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=71°C	20	А
Forward current surge peak	I _{FSM}	60Hz half sin wave , Non-repetitive at	Tj=25°C ^(*1)	100	А
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C

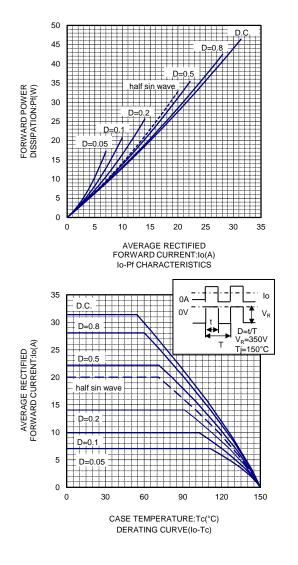
(*1) 1-3pin common circuit

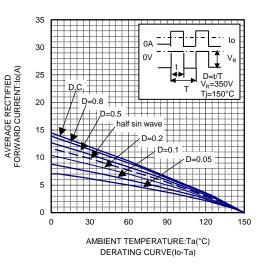
•Electrical Characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V _F	I _F =20A	-	1.1	1.35	V
Reverse current	I _R	V _R =350V	-	0.05	10	μA
Reverse recovery time	trr	$I_F=0.5A, I_R=1A, Irr=0.25 \times I_R$	-	25	35	ns
Thermal resistance	Rth(j-c)	Junction to case	-	-	2.5	°C/W









	Notes
	or reproduction of this document, in part or in whole, is permitted without the OHM Co.,Ltd.
The content	specified herein is subject to change for improvement without notice.
"Products").	specified herein is for the purpose of introducing ROHM's products (hereinafter If you wish to use any such Product, please be sure to refer to the specifications e obtained from ROHM upon request.
illustrate the	application circuits, circuit constants and any other information contained hereir standard usage and operations of the Products. The peripheral conditions must b account when designing circuits for mass production.
However, sh	vas taken in ensuring the accuracy of the information specified in this document nould you incur any damage arising from any inaccuracy or misprint of such ROHM shall bear no responsibility for such damage.
examples of implicitly, an other parties	al information specified herein is intended only to show the typical functions of and f application circuits for the Products. ROHM does not grant you, explicitly of y license to use or exercise intellectual property or other rights held by ROHM and s. ROHM shall bear no responsibility whatsoever for any dispute arising from the technical information.
equipment o	is specified in this document are intended to be used with general-use electronic or devices (such as audio visual equipment, office-automation equipment, commu- ices, electronic appliances and amusement devices).
The Product	s specified in this document are not designed to be radiation tolerant.
	I always makes efforts to enhance the quality and reliability of its Products, a r fail or malfunction for a variety of reasons.
against the p failure of any shall bear no	ure to implement in your equipment using the Products safety measures to guard possibility of physical injury, fire or any other damage caused in the event of the / Product, such as derating, redundancy, fire control and fail-safe designs. ROHM o responsibility whatsoever for your use of any Product outside of the prescribed in accordance with the instruction manual.
system whic may result ir instrument, t controller or of the Produ	ts are not designed or manufactured to be used with any equipment, device of the requires an extremely high level of reliability the failure or malfunction of which in a direct threat to human life or create a risk of human injury (such as a medica transportation equipment, aerospace machinery, nuclear-reactor controller, fuel- other safety device). ROHM shall bear no responsibility in any way for use of any ucts for the above special purposes. If a Product is intended to be used for any purpose, please contact a ROHM sales representative before purchasing.
be controlled	I to export or ship overseas any Product or technology specified herein that may d under the Foreign Exchange and the Foreign Trade Law, you will be required to nse or permit under the Law.



Thank you for your accessing to ROHM product informations. More detail product informations and catalogs are available, please contact us.

ROHM Customer Support System

http://www.rohm.com/contact/

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Diodes - General Purpose, Power, Switching category:

Click to view products by ROHM manufacturer:

Other Similar products are found below :

 RD0306T-H
 BAQ33-GS18
 BAV17-TR
 BAV19-TR
 IN3611
 NTE156A
 NTE525
 NTE571
 NTE574
 NTE5804
 NTE5806
 NTE6244

 1SS181-TP
 1SS193,LF
 1SS400CST2RA
 SDAA13
 SHN2D02FUTW1TIG
 LS4151GS08
 1N4449
 1N456A
 1N4934-E3/73
 1N914B

 1N914BTR
 RFUH20TB3S
 BAS 28 E6327
 BAV199-TP
 BAW56DWQ-7-F
 BAW56M3T5G
 BAW75-TAP
 MM230L-CAA
 IDW40E65D1

 JAN1N3600
 LL4151-GS18
 053684A
 SMMSD4148T3G
 707803H
 NSVDAN222T1G
 SP000010217
 ACDSW4448-HF
 CDSZC01100-HF

 BAV199E6433HTMA1
 BAV70M3T5G
 SMBT2001T1G
 NTE5801
 NTE5808
 NTE6240
 NTE6248
 DLM10C-AT1
 BAS28-7