



Super Fast Recovery Diode

•Serise Standard Fast Recovery

• Applications General rectification

Features

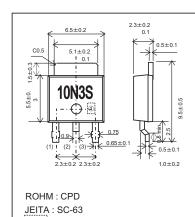
Power mold type(CPD)
Low switching loss
High current overload capacity

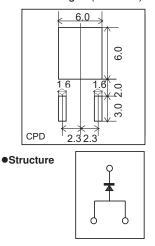
Construction

Silicon epitaxial planer type



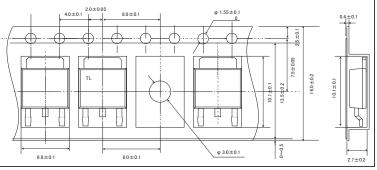
•Land Size Figure(Unit : mm)





•Taping Dimensions(Unit : mm)

1 Manufacture



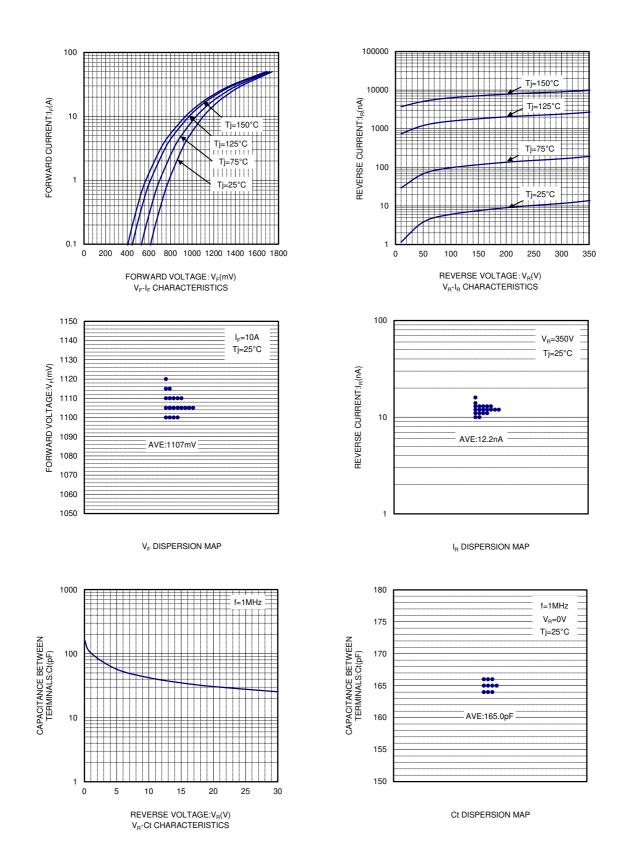
•Absolute Maximum Ratings(Tc=25°C)

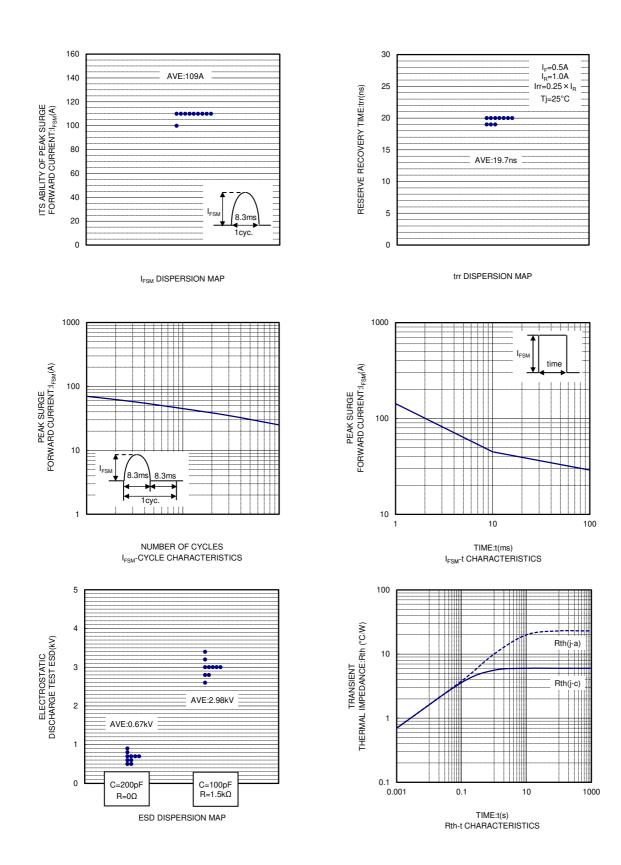
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak reverse voltage	V _{RM}	Duty≦0.5		350	V
Reverse voltage	V _R	Direct voltage		350	V
Average rectified foward current	lo	60Hz half sin wave , Resistive load	Tc=34°C	10	А
Forward current surge peak	I _{FSM}	60Hz half sin wave , Non-repetitive at	Tj=25°C ^(*1)	80	А
Junction temperature	Tj			150	°C
Storage temperature	Tstg			-55 to +150	°C

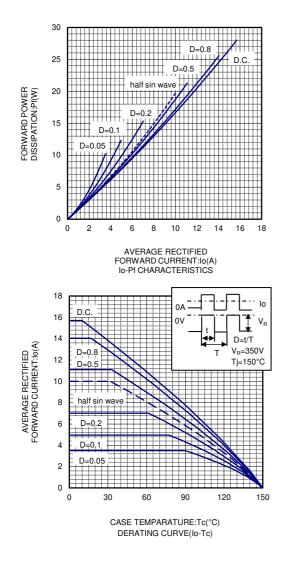
(*1) 1-3pin common circuit

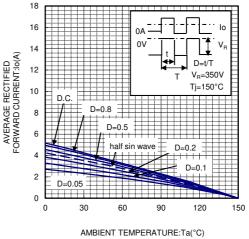
•Electrical Characteristics(Tj=25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V _F	I _F =10A	-	1.1	1.5	V
Reverse current	I _R	V _R =350V	-	0.05	10	μA
Reverse recovery time	trr	$I_F=0.5A, I_R=1A, Irr=0.25 \times I_R$	-	20	30	ns
Thermal resistance	Rth(j-c)	Junction to case	-	-	6.0	°C/W









DERATING CURVE(lo-Ta)

	or reproduction of this document, in part or in whole, is permitted without th
	ROHM Co.,Ltd.
The content	specified herein is subject to change for improvement without hotice.
"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	f application circuits, circuit constants and any other information contained herei e standard usage and operations of the Products. The peripheral conditions mus o account when designing circuits for mass production.
However, s	was taken in ensuring the accuracy of the information specified in this document nould you incur any damage arising from any inaccuracy or misprint of suc ROHM shall bear no responsibility for such damage.
examples o implicitly, ar other partie	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 on 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 of	ts specified in this document are intended to be used with general-use electroni or devices (such as audio visual equipment, office-automation equipment, commu rices, electronic appliances and amusement devices).
The Product	ts specified in this document are not designed to be radiation tolerant.
	M always makes efforts to enhance the quality and reliability of its Products, y fail or malfunction for a variety of reasons.
against the failure of an shall bear n	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 th y Product, such as derating, redundancy, fire control and fail-safe designs. ROHN o responsibility whatsoever for your use of any Product outside of the prescribed t in accordance with the instruction manual.
system which may result i instrument, controller of of the Prod	ts are not designed or manufactured to be used with any equipment, device of ch requires an extremely high level of reliability the failure or malfunction of whic n 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- r other safety device). ROHM shall bear no responsibility in any way for use of an ucts for the above special purposes. If a Product is intended to be used for an I purpose, please contact a ROHM sales representative before purchasing.
be controlle	d to export or ship overseas any Product or technology specified herein that ma d under the Foreign Exchange and the Foreign Trade Law, you will be required to onse 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/

