

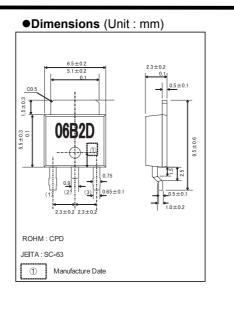
# Fast recovery diodes

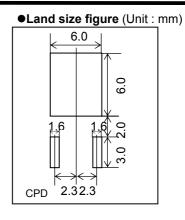
## **RF601B2D**

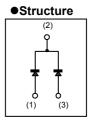
•Applications General rectification

## •Features 1)Power mold type.(CPD) 2)Ultra Low V<sub>F</sub> 3)Very fast recovery 4)Low switching loss

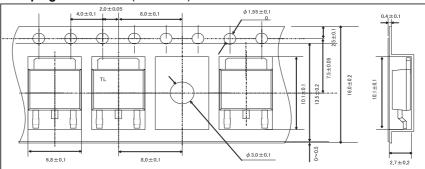
•Construction Silicon epitaxial planer







• Taping dimensions (Unit : mm)



#### ●Absolute maximum ratings (Ta=25°C)

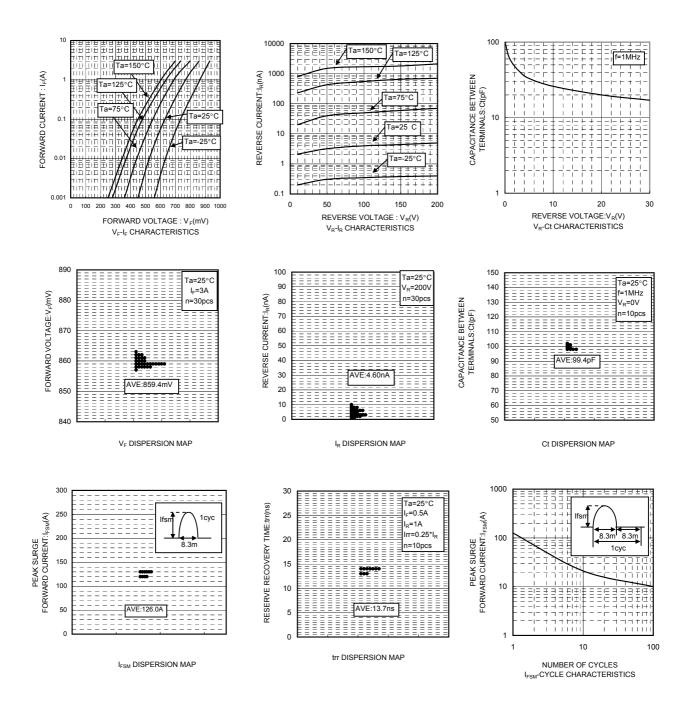
	,		
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V <sub>RM</sub>	200	V
Reverse voltage (DC)	V <sub>R</sub>	200	V
Average rectified forward current (*1)	lo	6	A
Forward current surge peak (60Hz/1cyc)	I <sub>FSM</sub>	40	A
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

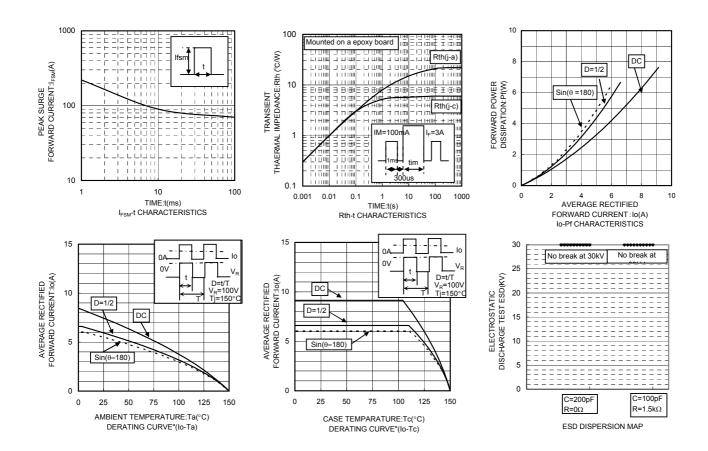
(\*1) Business frequencies, Rating of R-load, Tc=128°C, 1/2 lo per diode

### •Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	0.87	0.93	V	I <sub>F</sub> =3A
Reverse current	I <sub>R</sub>	-	0.01	10	μA	V <sub>R</sub> =200V
Reverse recovery time	trr	-	14	25	ns	I <sub>F</sub> =0.5A,I <sub>R</sub> =1A,Irr=0.25*I <sub>R</sub>
Thermal impedance	θјс	-	-	6	°C/W	JUNCTION TO CASE

#### •Electrical characteristic curves





Notes				
	g or reproduction of this document, in part or in whole, is permitted without the ROHM Co.,Ltd.			
The conter	nt specified herein is subject to change for improvement without notice.			
"Products'	nt specified herein is for the purpose of introducing ROHM's products (hereinafte ). If you wish to use any such Product, please be sure to refer to the specifications be obtained from ROHM upon request.			
illustrate th	of application circuits, circuit constants and any other information contained hereir ne standard usage and operations of the Products. The peripheral conditions mus nto account when designing circuits for mass production.			
However,	was taken in ensuring the accuracy of the information specified in this document should you incur any damage arising from any inaccuracy or misprint of such n, ROHM shall bear no responsibility for such damage.			
examples implicitly, a other parti	cal information specified herein is intended only to show the typical functions of and of application circuits for the Products. ROHM does not grant you, explicitly o any license to use or exercise intellectual property or other rights held by ROHM and es. ROHM shall bear no responsibility whatsoever for any dispute arising from the in technical information.			
equipment	cts specified in this document are intended to be used with general-use electronic or devices (such as audio visual equipment, office-automation equipment, commu- evices, electronic appliances and amusement devices).			
The Produ	cts specified in this document are not designed to be radiation tolerant.			
	IM always makes efforts to enhance the quality and reliability of its Products, a ay fail or malfunction for a variety of reasons.			
against the failure of a shall bear	sure to implement in your equipment using the Products safety measures to guard e possibility of physical injury, fire or any other damage caused in the event of the ny Product, such as derating, redundancy, fire control and fail-safe designs. ROHM no responsibility whatsoever for your use of any Product outside of the prescribed ot in accordance with the instruction manual.			
system wh may result instrument fuel-contro any of the	cts are not designed or manufactured to be used with any equipment, device o ich 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 t, transportation equipment, aerospace machinery, nuclear-reactor controller oller or other safety device). ROHM shall bear no responsibility in any way for use o Products for the above special purposes. If a Product is intended to be used for any ial purpose, please contact a ROHM sales representative before purchasing.			
be control	nd to export or ship overseas any Product or technology specified herein that may ed under the Foreign Exchange and the Foreign Trade Law, you will be required to sense 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/