Switching diode

Application

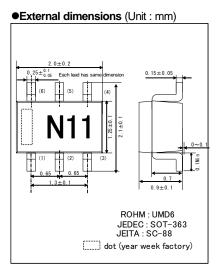
Ultra high speed switching

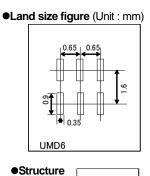
Features

Small mold type. (UMD6)
High reliability

Construction

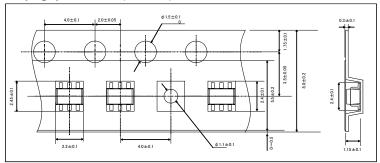
Silicon epitaxial planar







•Taping specifications (Unit : mm)



Absolute maximum ratings (Ta=25°C)

0 (,			
Parameter	Symbol	Limits	Unit V	
Reverse voltage (repetitive peak)	V _{RM}	80		
Reverse voltage (DC)	V _R	80	V	
Forward current (Single)	I _{FM}	300	mA	
Average rectified forward current (Single)	lo	100	mA	
Surge current (t=1us)	Isurge	4	А	
Power dissipation	Pd	150	mW	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55 to +150	°C	

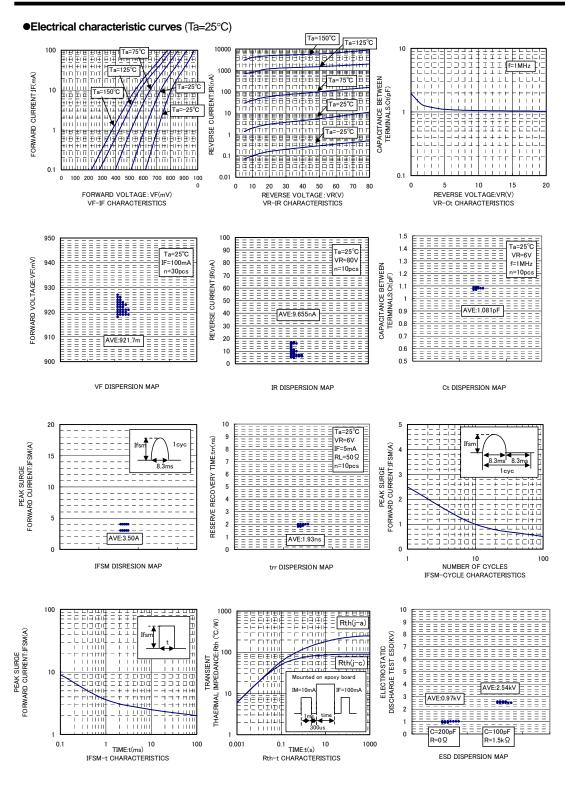
•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	1.2	V	I _F =100mA
Reverse current	I _R	-	-	0.1	μA	V _R =70V
Capacitance between terminals	Ct	-	-	3.5	pF	V _R =6V , f=1MHz
Reverse recovery time	trr	-	-	4	ns	V_R =6V , IF=5mA , RL=50 Ω



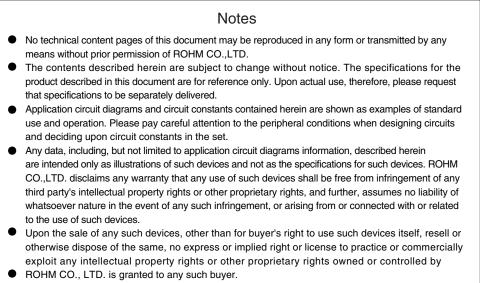
Rev.B 1/2

Diodes



ROHM

Rev.B 2/2



• Products listed in this document are no antiradiation design.

The products listed in this document are designed to be used with ordinary electronic equipment or devices (such as audio visual equipment, office-automation equipment, communications devices, electrical appliances and electronic toys).

Should you intend to use these products with equipment or devices which require an extremely high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), please be sure to consult with our sales representative in advance.

It is our top priority to supply products with the utmost quality and reliability. However, there is always a chance of failure due to unexpected factors. Therefore, please take into account the derating characteristics and allow for sufficient safety features, such as extra margin, anti-flammability, and fail-safe measures when designing in order to prevent possible accidents that may result in bodily harm or fire caused by component failure. ROHM cannot be held responsible for any damages arising from the use of the products under conditions out of the range of the specifications or due to non-compliance with the NOTES specified in this catalog.

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

ROHM Customer Support System

THE AMERICAS / EUROPE / ASIA / JAPAN

www.rohm.com

Contact us : webmaster@rohm.co.jp

Copyright © 2008 ROHM CO.,LTD. ROHM CO., LTD. 21 Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan TEL:+81-75-311-2121 FAX:+81-75-315-0172

ROHM

Appendix1-Rev2.0