

Product Diode

UNIT : mm

TERMINAL 2PIN			
GMD2	VMN2, VMN2M	VML2	VMD2
KMD2	EMD2, EMD2_UT	UMD2, UMD2_UT	TUMD2, TUMD2M
TUMD2S, TUMD2SM	PMDE	PMDU, SOD-123FL	PMDT, PMDTM, SOD-128
PMDS, DO-214AC (P)	SMC	DFN1006-2W (D)	SMB

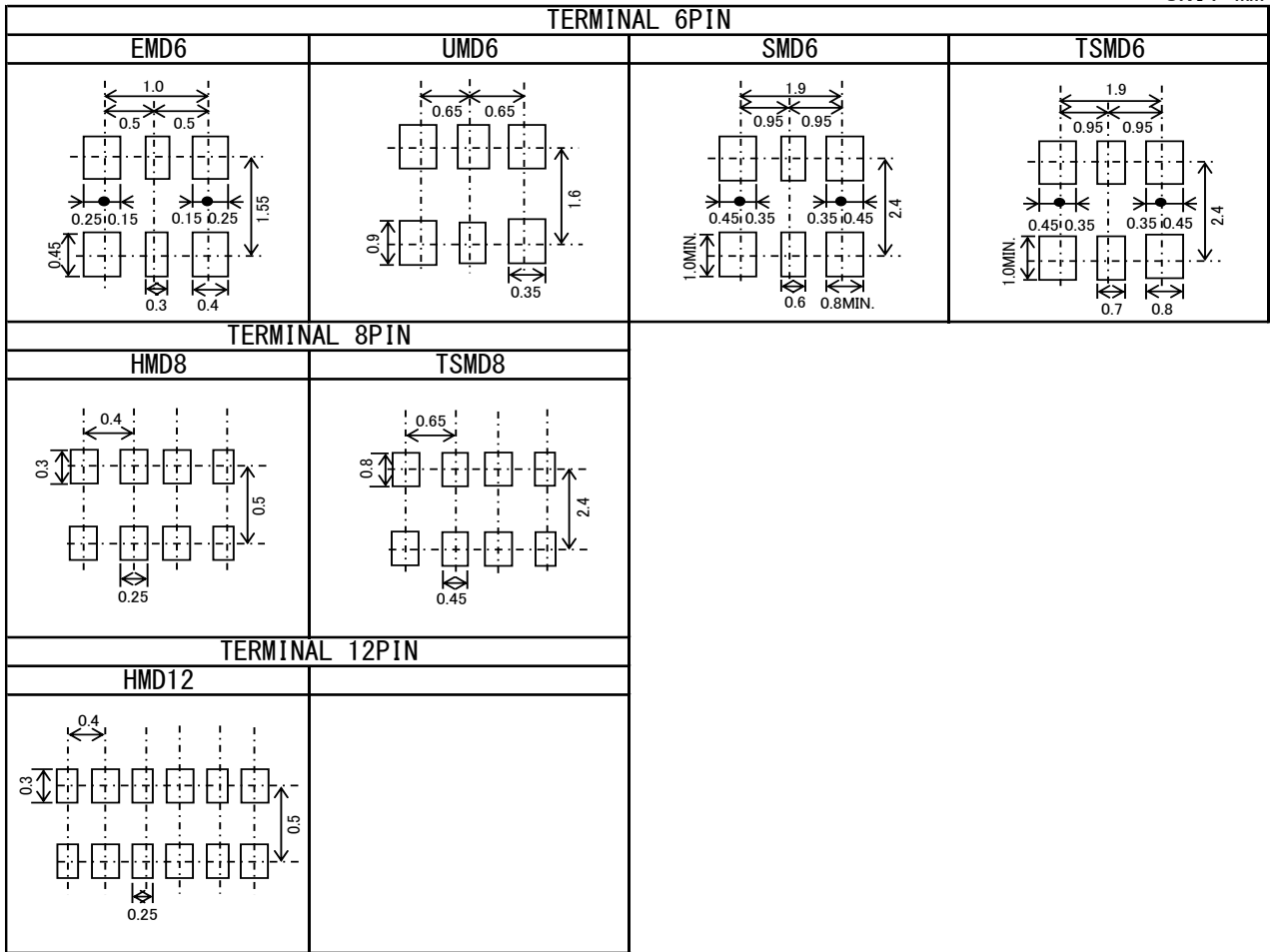
UNIT : mm

TERMINAL 2PIN			
SMR03015	SMD0402/SMD0402L	SMC0402	SMD0603/SMD0603B
SMD1006/SMD1006J	SMD1608	SMD2012	

UNIT : mm

TERMINAL 3PIN			
<p><b>VMD3</b></p>	<p><b>EMD3, EMD3F</b></p>	<p><b>UMD3, UMD3F</b></p>	<p><b>SMD3</b></p>
<p><b>SSD3</b></p>	<p><b>DFN1006-3</b></p>	<p><b>DFN2020-3</b></p>	<p><b>DFN1010-3W</b></p>
TERMINAL 4PIN			
<p><b>EMD4</b></p>	<p><b>UMD4</b></p>	<p><b>SMD4</b></p>	
TERMINAL 5PIN			
<p><b>EMD5</b></p>	<p><b>UMD5</b></p>	<p><b>TUMD5</b></p>	<p><b>SMD5</b></p>
<p><b>TSM5</b></p>			

UNIT : mm



UNIT : mm

Others			
CPD3	T0-252, T0252GE	TCPD3	MPD
LPDS, T0263S	LPDL, T0263L	T0-277	

※Copper plate area dimensions are reference dimensions with being soldered with conditions below.

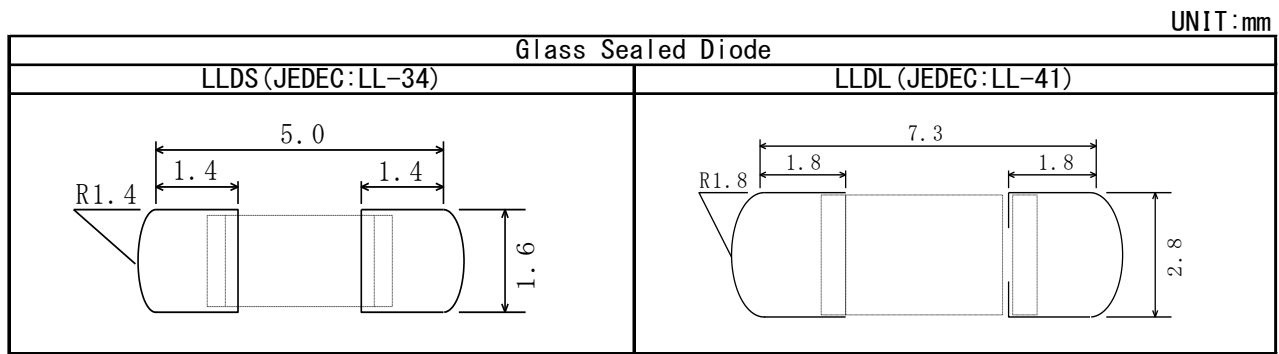
PCB . . . . . FR-4

Solder paste . . . . Sn-3Ag-0.5Cu

Paste thickness . . . 150um      ※GMD2, HMD8, HMD12, SMD0603 (B/J/P) , SMD0402 (J/P) . . 80um  
 ※SMR03015 . . 60um

Reflow soldering . . 250°C, 10s Max.

(Note)  
 Optimize footprint dimensions to the board design and soldering conditions.



※1 Round corner patterns are assist for solder coverage on terminals.

※2 LLDS

Design the footprint narrower for solderbility to use reflow soldering.

※3 LLDS

Design the footprint wider for solderbility to use flow soldering.

※4 LLDL

Recommend 300um solder paste thickness to use reflow soldering.

(Note)

Optimize footprint dimensions to the board design and soldering conditions.

## Notes

- 1) The information contained herein is subject to change without notice.
- 2) Before you use our Products, please contact our sales representative and verify the latest specifications.
- 3) Although ROHM is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors.  
Therefore, in order to prevent personal injury or fire arising from failure, please take safety measures such as complying with the derating characteristics, implementing redundant and fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have no responsibility for any damages arising out of the use of our Products beyond the rating specified by ROHM.
- 4) Examples of application circuits, circuit constants and any other information contained herein are provided only to illustrate the standard usage and operations of the Products. The peripheral conditions must be taken into account when designing circuits for mass production.
- 5) The technical information specified herein is intended only to show the typical functions of and examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly, any license to use or exercise intellectual property or other rights held by ROHM or any other parties. ROHM shall have no responsibility whatsoever for any dispute arising out of the use of such technical information.
- 6) The Products are intended for use in general electronic equipment (i.e. AV/OA devices, communication, consumer systems, gaming/entertainment sets) as well as the applications indicated in this document.
- 7) The Products specified in this document are not designed to be radiation tolerant.
- 8) For use of our Products in applications requiring a high degree of reliability (as exemplified below), please contact and consult with a ROHM representative : transportation equipment (i.e. cars, ships, trains), primary communication equipment, traffic lights, fire/crime prevention, safety equipment, medical systems, servers, solar cells, and power transmission systems.
- 9) Do not use our Products in applications requiring extremely high reliability, such as aerospace equipment, nuclear power control systems, and submarine repeaters.
- 10) ROHM shall have no responsibility for any damages or injury arising from non-compliance with the recommended usage conditions and specifications contained herein.
- 11) ROHM has used reasonable care to ensure the accuracy of the information contained in this document. However, ROHM does not warrants that such information is error-free, and ROHM shall have no responsibility for any damages arising from any inaccuracy or misprint of such information.
- 12) Please use the Products in accordance with any applicable environmental laws and regulations, such as the RoHS Directive. For more details, including RoHS compatibility, please contact a ROHM sales office. ROHM shall have no responsibility for any damages or losses resulting non-compliance with any applicable laws or regulations.
- 13) When providing our Products and technologies contained in this document to other countries, you must abide by the procedures and provisions stipulated in all applicable export laws and regulations, including without limitation the US Export Administration Regulations and the Foreign Exchange and Foreign Trade Act.
- 14) This document, in part or in whole, may not be reprinted or reproduced without prior consent of ROHM.



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/>

**General Precaution**

1. Before you use our Products, you are requested to carefully read this document and fully understand its contents. ROHM shall not be in any way responsible or liable for failure, malfunction or accident arising from the use of any ROHM's Products against warning, caution or note contained in this document.
2. All information contained in this document is current as of the issuing date and subject to change without any prior notice. Before purchasing or using ROHM's Products, please confirm the latest information with a ROHM sales representative.
3. The information contained in this document is provided on an "as is" basis and ROHM does not warrant that all information contained in this document is accurate and/or error-free. ROHM shall not be in any way responsible or liable for any damages, expenses or losses incurred by you or third parties resulting from inaccuracy or errors of or concerning such information.