

Product	SiC SBD / SiC MOSFET	Package	Surface Mount Devices
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1. REFERENCE CONDITION FOR WASHING

1-1.REFERENCE WASHING LIQUID

washing liquid	maker
Water	
Ethanol	
Methanol	
Pine alpha ST-100S	ARAKAWA CHEMICAL
Clean through 750H	KAO
Technocare FRW-1	MOMENTIVE performance materials
Mighty solve AH-V	ASAHI GLASS

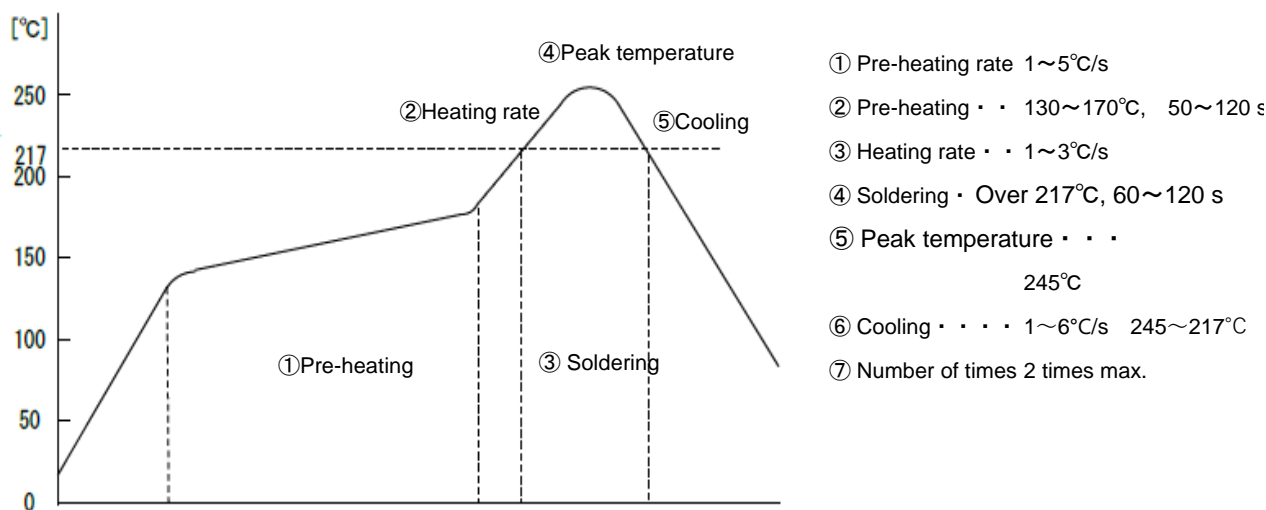
1-2.REFERENCE CONDITION FOR WASHING

Washing bath		Time	Temperature	Remarks
First bath	Ultrasonic bath	~60s	Room temperature	25~28kHz, 15W/cm3
Second bath	Immersion bath	~60s	Room temperature	
Third bath	Vaper bath	~60s	~44.7°C	Temperature is depending on washing liquid.

※In vaper bath, you can not use ethanol, methanol, and water due to their high boiling points.

2.REFERENCE CONDITION FOR REFLOW SOLDERING

Package surface

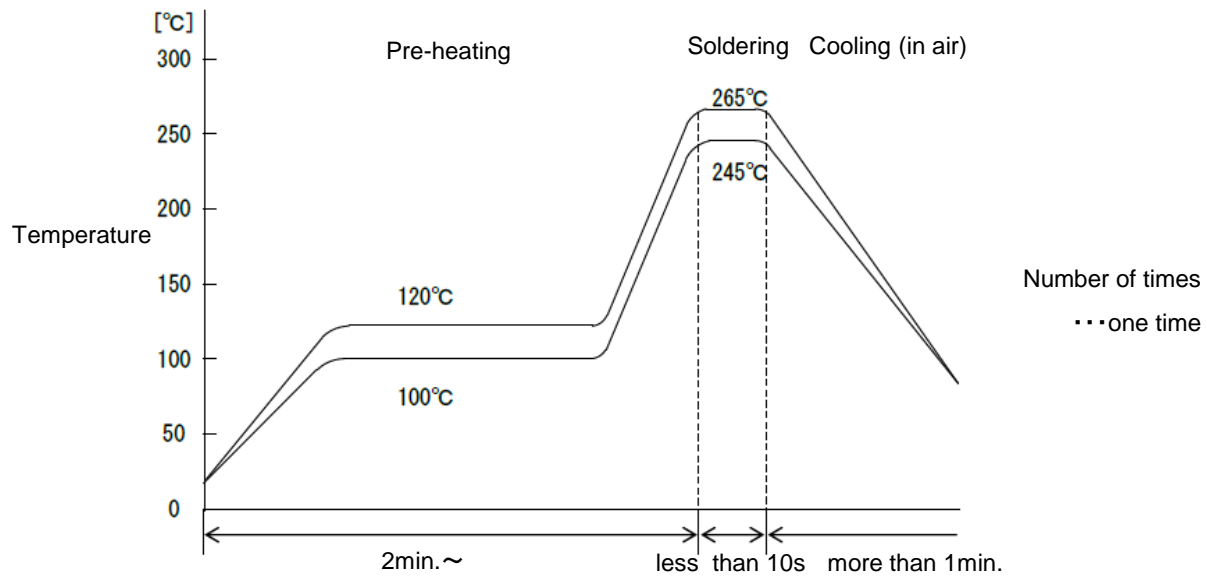


(Caution)

We concluded that there is no specific problem in characteristics and reliability under the temperature profile above.

However, since the most appropriate temperature profile condition differs depending on the solder paste, we highly recommend you to examine whether there is problem in your own condition.

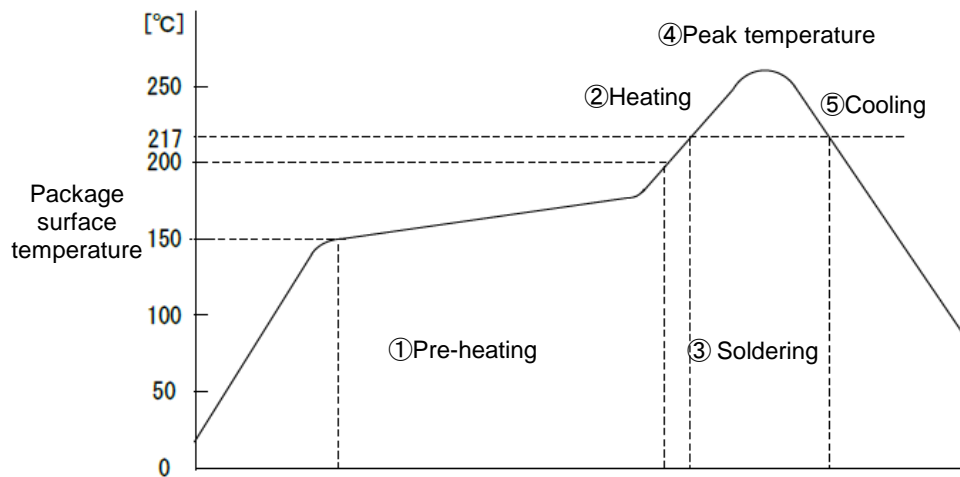
3.REFERENCE CONDITION FOR FLOW SOLDERING



4.REFERENCE CONDITION FOR HAND SOLDERING

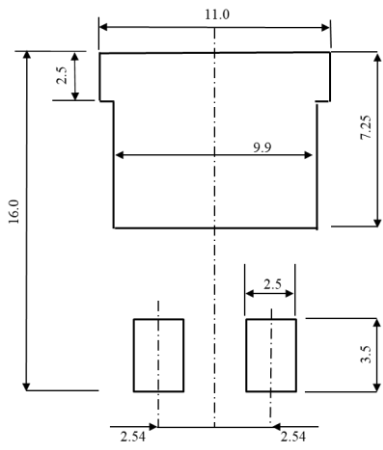
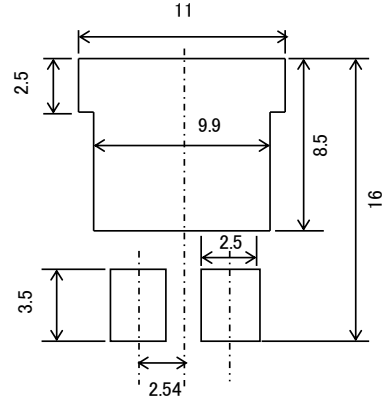
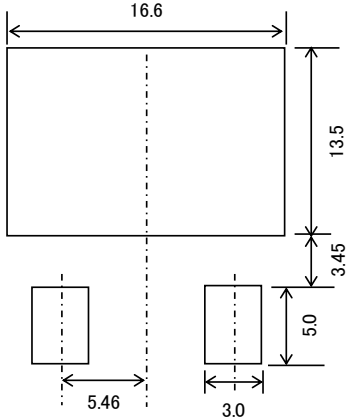
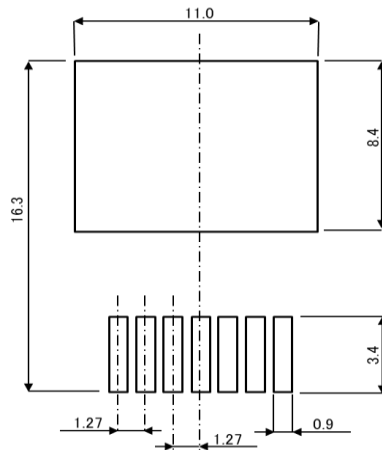
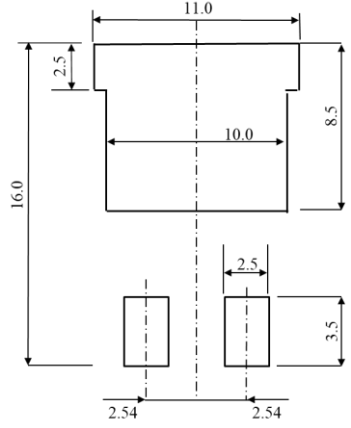
Temperature... 350°C
 Duration..... less than 3 s
 Number of times one time

5.REFLOW PROFILE FOR HEAT-RESISTANCE TEST



- ① Pre-heating..... 150~200°C, 60~120 s
- ② Heating rate..... 3°C/s max.
- ③ Soldering..... Over 217°C, 60~150 s
- ④ Peak temperature..... 245°C, Over 240°C 30 s
- ⑤ Cooling..... 6°C/s max 245~217°C
- ⑥ Number of times..... 3 times

6.FOOTPRINT DIMENSIONS FOR MOLDED SURFACE MOUNT DEVICES (UNIT):mm

<p>TO-263-2L</p> 	<p>TO-263AB (LPTL)</p> 
<p>TO-268-2L</p> 	<p>TO-263-7L · TO-263-7LA</p> 
<p>TO-263-2L</p> 	

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