

Product Diode

<u>CONDITION OF SOLDERING FOR SURFACE MOUNTED DEVICE (DISCRETE DIODE)</u> LEAD FREE PASTE (Sn-3Ag-0. 5Cu) VERSION

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	КАО
Technocare FRW-1	MOMENTIVE performance materials
Mighty solve AH-V	ASAHI GLASS

1-2. REFERENCE CONDITION FOR WASHING

Washii	ng bath	Time	Temperature	Remarks
First bath	Ultrasonic bath	~ 60s	Room temperature	25~28kHz, 15W/L
Second bath	Immersion bath	~ 60s	Room temperature	
Third bath	Vaper bath	~ 60s	~44. 7°℃	Temperature is depending on washing liquid.

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

2. REFERENCE CONDITION FOR REFLOW SOLDERING



(Note)

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 examine whether there is problem in your own condition.

3. REFERENCE CONDITION FOR FLOW SOLDERING



4. REFERENCE CONDITION FOR HAND SOLDERING

le1	
400°C	
2, VMN2M, VMD2, VMD3,	
2, EMD2_UT, EMD3, EMD3F, EMD4, EMD5, EMD6,	
2(except for 1SS355,1SS380,1SS376,UDZ S series)	
2_UT, UMD3, UMD3F, UMD4, UMD5, UMD6,	
3, SMD4, SMD5, SMD6, SSD3, LLDS, LLDL	
D2, TUMD2M, TUMD2S, TUMD2SM,	
D5, TSMD5, TSMD6, TSMD8	
350°C	
2(1SS355,1SS380,1SS376,UDZ_S_series)	
J, PMDE	
S, DO-214AC (P), SMB, SMC, PMDT, PMDTM, MPD, CPD3,	
252, TCPD3, LPDS, T0263S, LPDL, T0263L,	
-123FL, T0252GE, T0-277, S0D-128	

※1 Temperature differ from PKG.

5. CONDITION OF HEAT-RESISTANT



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