

CONDITION OF SOLDERING FOR THROUGH HOLE DEVICE (DISCRETE IGBT)

LEAD FREE PASTE(Sn-3Ag-0.5Cu)VERSION

Product	IGBT	Package	THD
1 100000	1001	1 dollage	שווו

1. REFERENCE CONDITION FOR WASHING

1-1.REFERENCE WASHING LIQUID

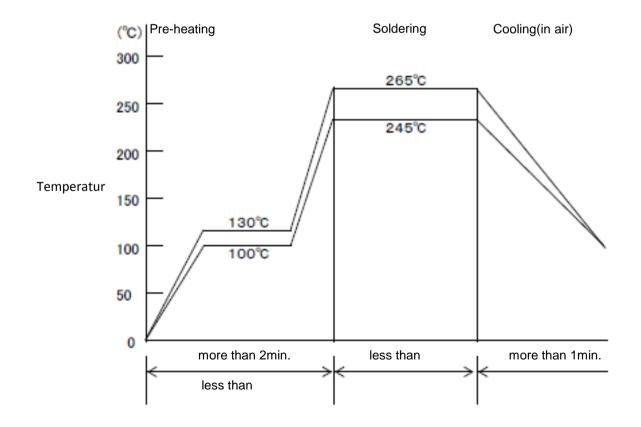
ENERGE WASHING EIGOID							
washing	g liquid	maker					
Water							
Ethanol							
Methanol							
Pine alpha	ST-100S	ARAKAWA CHEMICAL					
Clean through	750H	KAO					
Technocare	FRW-1	MOMENTIVE performance material					
Mighty solve	AH-V	ASAHI GLASS					

1-2.REFERENCE CONDITION FOR WASHING

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

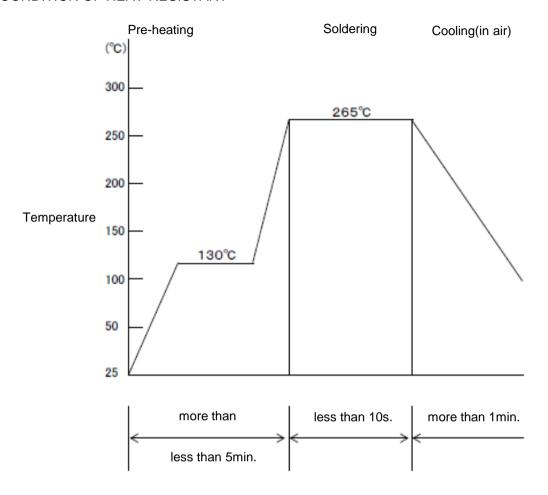
XIn vaper bath, you can not use ethanol, methanol, and water due to their high boiling points.

2CONDITION OF SOLDERING DIP



CONDITION OF SOLDERING FOR THD-IGBT_E

3. CONDITION OF HEAT-RESISTANT



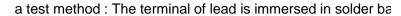
4.CONDITION OF HAND SOLDERING

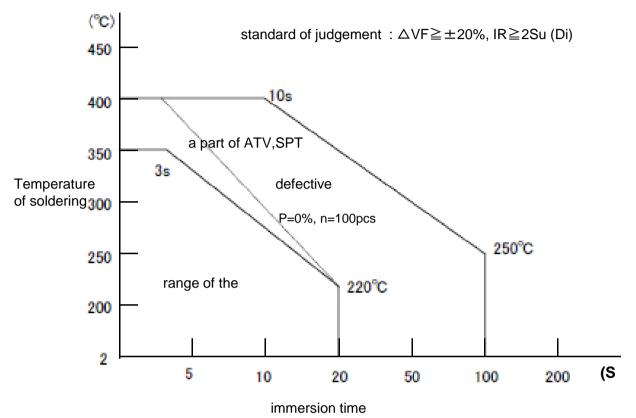
Temperature · · · · · · refer to table 1 ½ 1 *Temperature differ from PKG PKG less than 400°C Duration less than3s ATV(2SC4010, 2SC5083, DTA1***V, DTC1***V) SPT(2SC1740S, 2SC1809S, 2SC2058S, 2SC2926S 2SC4043S、2SC4044S、DTA1***S、DTC1***S) Number of timeone time PKG less than 350°C ATV(except for 2SC4010, 2SC5083, DTA1***V DTC1***V) SPT(except for 2SC1740S, 2SC1809S, 2SC2058S 2SC2926S、2SC4043S、2SC4044S、DTA1***S DTC1***S) ATR, ATL, FTR, FTL, TO92, TO92L, TO92LS, TO220SD, TO220FP, TO220FN, TO220FM, TO220AB, HRT, MRT, ICPF, ICPN, TO126, TO126FP、TO3PF、TO247、TO247PLUS、CPT TO126FP、TO3PF、TO247、TO247PLUS、CPT

table1

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5.TOLERANCE RANGE FOR HEATPROOF OF SOLDERING





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- 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 Poducts beyond the rating specified by ROHM
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