

Product Change Notice (PCN)

件名: RJH65T14DPQ-A0 の Diode チップの前工程拠点追加について

発行日: 11/21/2022

出荷開始予定日: 6/30/2023

改版履歴:

初版

変更内容の説明:

RJH65T14DPQ-A0 の Diode チップの前工程拠点の追加になります。

IGBT チップに関しては変更ありません。

新たに適用する前工程拠点での電気的特性は同一性能・特性となります。

現在の前工程拠点: RSMC 高崎工場

追加の前工程拠点: RSMC 西条工場

対象製品リスト:

RJH65T14DPQ-A0#T0			

変更の理由:

本製品の Diode チップの製造拠点である RSMC 高崎工場の供給能力逼迫に伴い前工程拠点の追加を実施し、製品供給の安定性を図るため。

外形、実装、機能、品質、信頼性への影響:

本変更による外形、実装、機能、品質、信頼性への影響はありません。

製品の識別方法:

受注型名は変更ありません。

ラベル中の T/C 等（製造ロット及び弊社管理コード）にて識別可能です。

弊社営業にお問い合わせください。

信頼性データについて: 添付の資料にてご対応願います。

サンプル出荷予定日: 出荷可能です。弊社営業にお問い合わせください。

製品/材料の化学物質データ: 資料の提供は可能です。弊社営業にお問い合わせください。

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Report APR-22-H0486
Date: November 17, 2022

RENESAS SEMICONDUCTOR RELIABILITY REPORT

DEVICE: RJH65T14DPQ-A0#T0

APPLICATION: Standard

Reported by Hitoshi. Arimoto

Approved by Minoru. Oiso

A handwritten signature in black ink that reads "M. Oiso".

Quality Assurance Div.
Renesas Electronics Corporation

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(Rev.5.0-2 October 2020)

1.RELIABILITY TEST

No.	ITEM	TEST CONDITION	Test Results (NUMBER OF FAILURE/NUMBER OF SAMPLES)
1	Soldering Heat	Lead Solder DIP (260°Cmax, 10s)	0/22
2	Solderability	245°C, 5s (Solder wetting area 95% or more)	0/22
3	High Temperature Bias	Tj=175°C, VCES of Maximum Rating, 1,000h	0/22
4	High Temperature Storage Life	Ta=150 °C, 1,000h	0/22
5	High Temperature High Humidity Reverse Bias	Ta=85 °C, 85%RH, VCES of Maximum Rating, 1,000h	0/22
6	Temperature Cycle	Ta=-55°C to +150°C, 200cycles	0/22
7	Intermittent operating Life	ΔTc=100°C, 10kcycles	0/22
8	Electrostatic-Discharge(ESD)HBM	C=100pF, R=1.5k ohm, ±1,000V	0/3
9	Estimated failure rate	Estimated failure rate : 10Fit or less •Tj= 55°C •Ea = 0.8eV •C.L. = 60%	
	Reliability test results may include data from family representative products. <Judgement criteria> Electrical characteristics described in the delivery specification. (Solderability test is excluded.)		