

## > Product Change Notification (PCN)

Product group:	MINISKIIP, SKIIPACK, SEMITRANS, SKIM, MINISKIIP II, SEMIX	Rev.: 0
No.: PN18-129	Release of alternative fluxing agent and corresponding washing liquid	02 Jan 2019

お客様各位

Dear valued partner,  
Thank you for using SEMIKRON products. Within our continuous improvement activities we are working to enhance performance, quality and reliability of our products. This notification is to inform you of a relevant change.

We would like to express our sincere appreciation for your cooperation regarding the following changes and want to assure you that SEMIKRON will work closely with you to support your requirements during this transition.

変更主題

Subject of change: フラックス剤の変更および適合する洗浄液の変更  
Introduction of alternative fluxing agent and corresponding washing liquid

対象製品タイプ

SEMIKRON はんだタイプの全モジュール製品  
All power modules with soldered components  
product type:

変更内容

Description of change: フラックス剤および適合する洗浄液の変更が全てのモジュールに適用されます。  
はんだ接合に変更はありません。  
An alternative fluxing agent with corresponding washing liquid will be introduced for all power modules. The solder alloy remains unchanged.

変更理由

Reason for change: サプライチェーン安全性の向上  
Improved supply chain safety

変更による影響

Impact of change: 製品の形状、適性、機能およびデータシートに変更はありません。  
There will be no change in form, fit, function of the product and the data sheet.

変更品の識別

Identification of change: 製品番号およびタイプに変更はありません。変更品の識別はデートコードでご確認いただけます。  
The product part number and description will remain unchanged. The changed product can be identified by date code.

変更スケジュール

Time schedule for change: 2019年07月より実施  
Implementation starts July 2019

Last time order  
date: -

Last time delivery  
date: -

認証

下記の認証試験を実施済

Qualification:

Qualification test overview see below

No.	Test	Release Date
1	High Temperature Reverse Bias (HTRB) IEC 60747, DIN IEC 60749-23 [MOSFET/IGBT Products: Tc=125°C..145°C; Vds/Vce = 95% of voltage class; t=1000h Diode/Thyristor Products: Tc=105°C..120°C; Vd/Vr = 66% of voltage class; t=1000h]	May 2019
2	High Humidity High Temperature High Voltage Reverse Bias (H3TRB) IEC 60068-2-67 [T=85°C; rH=85%; V=80V; t=1000h]	May 2019
3	Thermal Shock (TS) IEC 60068-2-14 Test Na [T=Tstg(max) – Tstg(min)]	May 2019
4	Power Cycling (PC) IEC 60749-34 [MOSFET/IGBT Products: ΔTj = 100K; Cycles ≥ 20,000; Diode/Thyristor Products: ΔTj = 100K; Cycles ≥ 10,000]	May 2019

関連資料

Supporting  
documentation:

n.a. 無し

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別紙添付、お客様承認書にご署名の上、担当営業にご返送ください。

- ➔ Please respond to this notification by returning the attached customer approval form to your local sales partner.
- ➔ According to the standard J-STD-046 no response to this notification within 30 days after receipt constitutes acceptance of the change.  
IEC標準規格JESD46に基づき、この通知を受領後30日以内にご連絡の無い場合は、ご了承されたものと致します。