

Product Change Notification (PCN)

Prod	uct group:	Rev.: 1	
No.:	PN17-075	Change of power part SKiiP3	18 Nov 2017

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.

Please respond to this PCN by indicating your decision on the below approval form, sign it and return it to your SEMIKRON sales partner before 19 Dec 2017.

Subject of change: Change of isolation foil material SKiiP3

SEMIKRON

Description of change:

All SKiiP®3 IPM

product type:

Change of isolation foil material SKiiP[®]3 from PIFEP (FEP laminated Polyimide) to ETFE (FE laminated Ethylen co Tetrafluorethylen):

Old version: isolation foil PIFEP (FEP laminated Polyimide)	New version: isolation foil ETFE (FE laminated Ethylen and Tetrafluorethylen)		
Old isolation foil	New isolation foil		

No change in isolation foil shape.

Reason for change:

More reliable supply chain



Impact of change: Old and new SKiiP[®]3 IPM are 100% compatible. New IPM can be used as replacement in the inverter mixed with the old IPM, also in parallel.

Identification	New part number:	
of change:	Old version SKCNP: 20671xxx	New version SKCNP: 2067 2 xxx
	Old version SKBR: 20681xxx	New version SKBR: 20682xxx
	Old version SKD: 2045 1 xxx	New version SKD: 2045 2 xxx
Time schedule for change:	CW49 2017	
Last time order date:	-	
Last time delivery date:	<pnlastdelivey></pnlastdelivey>	

Qualification test for the isolation foil:

Test	Conditions	Result	
Insulation test 1	DC 3 kV, Halt, RT, 400s	passed	
Insulation test 2	DC 3 kV, 150°C, 400s	passed	
Partial discharge 1	1,2kV	passed	
Operation under climatic changes	-15°C/85°C, 10%/85% rel. Humidity, 1615 VDC	passed	
high humidity high temperature reverse bias (H3TRB)	85°C/85% rel. Humidity, 1500 VDC, 1000h	passed	
High temperature reverse bias (HTRB)	150°C, 1615 VDC, 1000h	passed	
Partial discharge 2	Long term	passed	
Thermal cycling (storage)	-40°C/125°C	passed	
Long term insulation at high temperature	125°C, 168h , 2500 VDC	passed	

n.a.

Qualification:



Author:

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- Please respond to this PCN by returning the attached customer approval form to your local sales partner.
- □ According to the IEC Standard JESD46 no response to this PCN within 30 days after receipt constitutes acceptance of the change.



Products Affected:

The following table shows the affected products and the last transactions (orders, frame orders or quotations), where available with customer part number, order or quote request reference, product quantity and date of transaction.

Part No.	Variant	Article Description	Customer Part No.	Transaction Type	Customer Reference	Document Date	Quantity	Successor Part No.
20451181		SKiiP 1513 GB172- 3DL BK/SKiiP3/LK		Order	1340994	01/12/2017	18	



Customer Approval Form for PN17-075 Rev.: 1					
Please che	eck the appropriate box below	<i>'</i> :			
🗌 We agi	ree with this proposed change an	d its schedule.			
🗌 We ha	ve objections:				
Sender:					
Company:	東京エレクトロンデバイス株式会社				
Address:	神奈川県横浜市神奈川区 会港町1悉地4□横近イー2ト2017				
		Name:			
	221-0056				
	Japan				
Signature:		Date:			
Customer No.:	SKJ8830E	Supplier No. :	-		
Please return to your local SEMIKRON sales contact:					
Name:	Tanaka, Masachika	Phone:	+81 3 6895 1396		
Address:		Fax:	+81 3 6895 5078		
		E-mail:	Masachika.Tanaka@semikron.c om		