

Product/process change notification

PCN N° 2024-078-A

Dear customer,

Please find attached our Infineon Technologies AG PCN:

Harmonization of Power Block Modules 70mm

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **2024-05-02**
- Infineon aligns with the widely recognized JEDEC STANDARD “**JESD46**“, which stipulates: **“Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.”**

Your prompt reply will help Infineon to assure a smooth and well-executed transition. If Infineon does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.

Infineon Technologies AG

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Chairman of the Supervisory Board Dr. Herbert Diess

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Registered office Neubiberg Commercial register Amtsgericht München HRB 126492

Product/process change notification

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► Products affected

Please refer to attached affected product list
"pcn_2024-078-A[customer-no].pdf"

► Detailed change information

Subject Introduction of soft gel encapsulation as replacement for encapsulation hard resin

Reason Harmonization of the module portfolio
Improvement of delivery reliability
Improvement of R_{thJC}

Description

Old

- Encapsulation hard gel
- For Thyristor Modules:
 $R_{thJC} \leq 0,042 \text{ K/W}$ for $\sin 180^\circ$
 $R_{thJC} \leq 0,0405 \text{ K/W}$ for DC

New

- Encapsulation soft gel
- For Thyristor Modules:
 $R_{thJC} \leq 0,039 \text{ K/W}$ for $\sin 180^\circ$
 $R_{thJC} \leq 0,0376 \text{ K/W}$ for DC

► Product identification

By date code

► Impact of change

Module have identical specifications according to JEDEC standard J-STD-046. No change in fit, form, function, and reliability

► Attachments

"pcn_2024-078-A_[customer-no].pdf" affected product list

► Time schedule

- Final qualification report available
- First samples available 2024-04-15
- Intended start of delivery 2024-06-01

If you have any questions, please do not hesitate to contact your local sales office.

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Harmonization of Power Block Modules 70mm

Affected products sold to DIGI-KEY, THIEF RIVER FALLS, USA (4002348)

Sales name	SP number	OPN	Package	Customer part number
DZ1070N18K	SP001220522	DZ1070N18KHPSA3	BG-PB70AT-1	DZ1070N18KHPSA3
DZ1070N22K	SP001220528	DZ1070N22KHPSA3	BG-PB70AT-1	DZ1070N22KHPSA3
DZ1100N22K	SP001220510	DZ1100N22KHPSA2	BG-PB70AT-1	DZ1100N22KHPSA2
TZ740N22KOF	SP001220752	TZ740N22KOFHPSA3	BG-PB70AT-1	TZ740N22KOFHPSA3
TZ740N22KOFB1	SP001258606	TZ740N22KOFB1HPSA2	BG-PB70AT-1	TZ740N22KOFB1HPSA2
TZ800N14KOF	SP001220776	TZ800N14KOFHPSA3	BG-PB70AT-1	TZ800N14KOFHPSA3
TZ800N16KOF	SP001220782	TZ800N16KOFHPSA3	BG-PB70AT-1	TZ800N16KOFHPSA3
TZ800N18KOF	SP001220794	TZ800N18KOFHPSA3	BG-PB70AT-1	TZ800N18KOFHPSA3
TZ810N22KOF	SP001220516	TZ810N22KOFHPSA2	BG-PB70AT-1	TZ810N22KOFHPSA2
TZ810N22KOF TIM	SP001503130	TZ810N22KOFTIMHPSA1	BG-PB70AT-1	TZ810N22KOFTIMHPSA1
TZ860N16KOF	SP001220800	TZ860N16KOFHPSA2	BG-PB70AT-1	TZ860N16KOFHPSA2