

Product / Process Change Notification



Infineon Technologies Bipolar
GmbH & Co. KG

N° 2019-197-A

Dear Customer,

Please find attached our INFINEON Technologies PCN:

TT92N adjustment of data sheet data

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 **25th February 2020**.
- 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 Technologies 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. Wolfgang Eder
Management Board: Dr. Reinhard Ploss (CEO), Dr. Helmut Gassel, Jochen Hanebeck, Dr. Sven Schneider
Registered Office: Neubiberg
Commercial Register: München HRB 126492

Product / Process Change Notification



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N° 2019-197-A

► **Products affected:** Please refer to affected product list 1_cip19197_a

► **Detailed Change Information:**

Subject: Adjustment of data sheet data r_T and T_{vjmax} and i_D, i_R

Reason: In the last years, the technology of the majority of 20mm modules changed from Pressure Contact to Solder Contact. Due to higher performance of Pressure Contact technology, the “high-end” modules could not be replaced and nowadays there is only demand for these “high-end” modules. In order to keep our production processes on economically reasonable level and avoid remarkable price increase or even discontinuation, it became necessary to slightly adjust the specification of the “high-end” modules, which allows to better match the performance between the demand and production.

Description:

<u>Old</u>	<u>New</u>
■ $V_{T0} = 0,85 \text{ V}$	■ $V_{T0} = 0,85 \text{ V}$
■ $r_T = 2,15 \text{ m}\Omega$	■ $r_T = 2,43 \text{ m}\Omega$
■ $T_{vjmax} = 130^\circ\text{C}$	■ $T_{vjmax} = 140^\circ\text{C}$
■ $i_D, i_R = 25 \text{ mA}$ ($T_{vj} = T_{vjmax}$ $V_D = V_{DRM}, V_R = V_{RRM}$)	■ $i_D, i_R = 50 \text{ mA}$ ($T_{vj} = T_{vjmax}$ $V_D = V_{DRM}, V_R = V_{RRM}$)
■ $V_T = \text{max. } 1,62 \text{ V}$ ($(T_{vj} = T_{vjmax}$ $i_T = 300 \text{ A})$)	■ $V_T = \text{max. } 1,73 \text{ V}$ ($(T_{vj} = T_{vjmax}$ $i_T = 300 \text{ A})$)

► **Product Identification:** By date code

► **Impact of Change:** Modules have identical specifications according to JEDEC standard JESD46-C: fit, form and reliability – except function (slightly higher r_T but as compensation higher T_{vjmax})

► **Attachments:** Affected product list 1_cip19197_a

► **Time Schedule:**

- Final qualification report: Not applicable
- First samples available: Not applicable
- Intended start of delivery: 02-March-2020

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

PCN N° 2019-197-A
TT92N adjustment of data sheet data



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Sales name	SP number	OPN	Package
TT92N12KOFB4	SP000091722	TT92N12KOFB4HPSA1	BG-PB20-1
5P50-0410	SP000091793	5P500410HPSA1	BG-PB20-1
TD92N12KOF	SP000096663	TD92N12KOFHPSA1	BG-PB20-1
TD92N16KOF	SP000096664	TD92N16KOFHPSA1	BG-PB20-1
TT92N16KOF	SP000096680	TT92N16KOFHPSA1	BG-PB20-1
DT92N16KOF	SP000096843	DT92N16KOFHPSA1	BG-PB20-1
TT92N16K-K	SP000091401	TT92N16KOFKHPSA1	BG-PB20-1
TD92N16KOF-A	SP000091614	TD92N16KOF AHPSA1	BG-PB20-1
TT92N08KOF-K	SP000473470	TT92N08KOFKHPSA1	BG-PB20-1