

# Product / Process Change Notification



Infineon Technologies Bipolar  
GmbH & Co. KG

N° 2020-012-A

Dear Customer,

Please find attached our INFINEON Technologies PCN:

## TT104N 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 **25. 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  
Postal Address Headquarters: Am Campeon 1-15, D-85579 Neubiberg, Phone +49 (0)89 234-0  
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



Infineon Technologies Bipolar  
GmbH & Co. KG

N° 2020-012-A

► **Products affected:** Please refer to attached affected product list 1\_cip12012\_a

► **Detailed Change Information:**

**Subject:** Adjustment of data sheet data  $r_T$  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>
■ $V_{T0} = 0,85 \text{ V}$	■ $V_{T0} = 0,85 \text{ V}$
■ $r_T = 2,15 \text{ m}\Omega$	■ $r_T = 2,43 \text{ m}\Omega$
■ $T_{vjmax} = 140^\circ\text{C}$	■ $T_{vjmax} = 140^\circ\text{C}$
■ $i_D, i_R = 25 \text{ mA}$ ( $T_{vj} = T_{vjmax}$ $V_D = V_{DRM}, V_R = V_{RRM}$ )	■ $i_D, i_R = 50 \text{ mA}$ ( $T_{vj} = T_{vjmax}$ $V_D = V_{DRM}, V_R = V_{RRM}$ )
■ $V_T = \text{max. } 1,62 \text{ V}$ ( $(T_{vj} = T_{vjmax}$ $i_T = 300 \text{ A})$ )	■ $V_T = \text{max. } 1,73 \text{ V}$ ( $(T_{vj} = T_{vjmax}$ $i_T = 300 \text{ A})$ )

► **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\_cip12012\_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° 2020-012-A**  
TT104N adjustment of data sheet data



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Sales name	SP number	OPN	Package
192697-TT104N	SP000091511	192697TT104NHPSA1	BG-PB20-1
TD104N14KOF-A	SP000607672	TD104N14KOFHPSA1	BG-PB20-1
TD104N12KOF	SP000091394	TD104N12KOFHPSA1	BG-PB20-1
TT104N14KOF	SP000096686	TT104N14KOFHPSA1	BG-PB20-1
TT104N12KOF	SP000096685	TT104N12KOFHPSA1	BG-PB20-1
TT104N12KOF-A	SP000091794	TT104N12KOFHPSA1	BG-PB20-1
TT104N12KOF-K	SP000096918	TT104N12KOFHPSA1	BG-PB20-1