

Wolfspeed® Product/Process Change Notification

PCN Number: CREE-PCN-1380

PCN Issue Date: February 15, 2022

PCN Type: Courtesy

PCN Title

Changes in the Datasheets of Gen3 650 V 15 mΩ (C3M) SiC MOSFET Discrete Devices

Description of the Change

Wolfspeed is making the following changes in its datasheets of the discrete power products listed in Table 1. This change will have impacts on the electrical functionality of these devices.

- Continuous Drain Current Rating (ID) (Page 1).
- Continuous Drain Current Derating vs. Case Temperature (Page 7, Figure 19).
- Safe Operating Area (Page 7, Figure 22).

Benefit of the Change

The main reason of this change is to clarify the package performance of the discrete power products listed in Table 1.

Affected Products

Table 1 lists the expected products affected by this Courtesy PCN on the date this PCN is issued.

Table 1. Affected Products List.

Wolfspeed Part Number	Description
C3M0015065D	TO-247-3, 650 V, 175 °C
C3M0015065K	TO-247-4, 650 V, 175 °C

Anticipated Impact

Table 2 summarizes the revision history of the datasheets relevant to this change. Cree urges its customers to refer to the updated datasheets to learn more about impacts on the affected products' electrical functionality.

Table 2. Datasheet Revision History.

Product	Package	Previous Datasheet Revision	New Datasheet revision
C3M0015065D	TO-247-3	Rev.5, 02-2021	Rev. 6, 01-2022
C3M0015065K	TO-247-4	Rev. 4, 02-2021	Rev. 5, 01-2022

Key Implementation Date

Table 3 provides the estimated dates for key PCN milestones based on the information available on the date this PCN is issued. Any updates to these dates can be provided by your Wolfspeed contact.

Table 3. *Estimated Key PCN Dates.*

Task	Date*
Projected First Ship Date	03/11/2022

* Specific product schedules should be discussed with Wolfspeed sales and marketing representatives.

Contact Information

If you have any questions regarding this advance PCN, please refer to the contact information listed in Table 3.

Table 3. *PCN Contact.*

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Revision History

Date	Revision	Description
February 15, 2022	0	Initial release