

Wolfspeed® Product/Process Change Notification

PCN Number: PCN-00093
PCN Type: Informational

PCN Issue Date: November 22, 2023

PCN Title

Updated Datasheet Package Drawing of TO-220-F2 for SiC Discrete Schottky Diodes

Description of the Change

Wolfspeed has made changes in the TO-220-F2 package outline drawing in its datasheets for the discrete power products listed in Table 1. These changes will have the following impacts on the TO-220-F2 package drawing:

- Dimension A max from 4.93 mm → 4.7 mm
- Dimension A1 max from 3.90 mm → 2.10 mm
- Dimension A2 min from 2.34 mm → 2.50 mm
- Dimension b min from 0.4 mm → 0.54 mm and max from 0.91 mm → 0.84 mm
- Dimension b1 max from 1.40 mm → 1.29 mm
- Dimension c min from 0.40 mm → 0.49 mm
- Dimension D max from 16.07 mm → 15.30 mm
- Dimension E max from 10.36 mm → 10.30 mm
- Added dimension E2
- Dimension G min from 6.50 mm → 6.70 mm
- Dimension L min from 12.10 mm → 12.50 mm
- Added dimensions N, P1, P2, P3, P4, R, and S
- Dimension Q1 max from 3.50 mm → 3.30 mm

Benefit of the Change

The dimensions listed in the description above have been updated to reflect current production tolerances of the TO-220-F2 discrete power products listed in Table 1. (No changes to any electrical parameters are included in this PCN.)

Affected Products

Table 1 lists the products affected by this Informational PCN.

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Table 1. Affected Products List.

Wolfspeed Part Number
C3D02060F
C3D03060F
C3D04060F
C3D06060F

Anticipated Impact

No change is expected to current production. There is no impact to the form, fit, or function of the affected devices. No change to any electrical performance has occurred. Table 2 summarizes the revision history of the datasheets relevant to this change. Wolfspeed 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
C3D02060F	TO-220-F2	Rev G	Rev 9
C3D03060F	TO-220-F2	Rev F	Rev 8
C3D04060F	TO-220-F2	Rev H	Rev 10
C3D06060F	TO-220-F2	Rev F	Rev 8

Contact Information

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

Table 3. PCN Contact.

Wolfspeed Contact	Wolfspeed PCN Administrator
Wolfspeed Contact E-Mail	pcn@wolfspeed.com
Wolfspeed Contact Phone	1.844.200.WOLF
Address	4600 Silicon Drive Durham, NC 27703 U.S.A.

Revision History

Date	Revision	Description
November 22, 2023	0	Initial release